Title V Citation	Category	Regulation	Requirem	Compliance Method	Y/N	Type C/I	Co. ents
V.D.2.a	Testing	[§2108.02, Installation Permit 0052-I008 and §63.7321]	The permittee shall have baghouse emission stack tests for PM, PM10 and PM2.5 conducted at least once every two years using EPA Methods No.1 through No.5, 201A and D50202 (or other method specified by the Department) and performed according to §2108.02 of Article XXI.	Records Review	Y	C	
V.D.2.b	Testing	[§2108.02, Installation Permit 0052-I008]	Visible emissions observations of the baghouse stack exhaust and fugitive pushing emissions shall be conducted at least once every two years, as specified in Section 109 of the Department's source testing manual, and be done simultaneously with the baghouse stack tests.	Records Review	Y	C	
V.D.2.c	Testing	[§2103.12.h.6; §63.7322(a)]	The permittee shall conduct each performance test according to the requirements in Condition V.D.2.d below.	Records Review	Y	C	
V.D.2.d	Testing	[§2103.12.h.6; §63.7322(b)]	To determine compliance with the process weighted mass rate of particulate matter (lb/ton of coke) in Condition V.D.1.d above use the following test methods and procedures:	Engineering Judgement	Y	C	
V.D.2.d.1	Testing	[§2103.12.h.6; §63.7322(b)(1)]	Determine the concentration of particulate matter according to the following test methods in Appendix A to 40 CFR Part 60.	Records Review	Y	C	
V.D.2.d.1.a	Testing		Method 1 to select sampling port locations and the number of traverse points. Sampling sites must be located at the outlet of the control device and prior to any releases to the atmosphere.	Records Review	Y	C	
V.D.2.d.1.b	Testing		Method 2, 2F, or 2G to determine the volumetric flow rate of the stack gas.	Records Review	Y	C	
V.D.2.d.1.c	Testing		Method 3, 3A, or 3B to determine the dry molecular weight of the stack gas.	Records Review	Y	C	
V.D.2.d.1.d	Testing		Method 4 to determine the moisture content of the stack gas.	Records Review	Y	C	
V.D.2.d.1.e	Testing		Method 5 or 5D, as applicable, to determine the concentration of front half particulate matter in the stack gas.	Records Review	Y	C	
V.D.2.d.2	Testing	[§2103.12.h.6; §63.7322(b)(2)]	During each particulate matter test run, sample only during periods of actual pushing when the capture system fan and control device are engaged. Collect a minimum sample volume of 50 dry standard cubic feet of gas during each test run. Three valid test runs are needed to comprise a performance test. Each run must start at the beginning of a push and finish at the end of a push (i.e., sample for an integral number of pushes). $C \times D \times P \times K$	Records Review	Y	C	
V.D.2.d.3	Testing	[§2103.12.h.6; §63.7322(b)(3)]	Determine the total combined weight in tons of coke pushed during the duration of each test run according to the procedures in your source test plan for calculating coke yield from the quantity of coal charged to an individual oven.	Records Review	Y	C	
V.D.2.d.4	Testing	[§2103.12.h.6;	4) Compute the process-weighted mass emissions (E_p) for each test run using Equation 1 of this section as follows:	Records Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Y/N	Type C/I	Comments
[illegible]	Testing	§63.7322(b)(4)]	Where: E_p = Process weighted mass emissions of particulate matter, lb/ton; C = Concentration of particulate matter, gr/dscf; Q = Volumetric flow rate of stack gas, dscf/hr; T = Total time during a run that a sample is withdrawn from the stack during pushing, hr; P = Total amount of coke pushed during the test run, tons; and K = Conversion factor, 7,000 gr/lb.				
V.D.2.e	Testing	[§2103.12.h.6; §63.7323(c)]	For each capture system applied to pushing emissions, the permittee shall establish a site-specific operating limit for the fan motor amperes or volumetric flow rate according to the procedures in Condition V.D.2.e.1) or V.D.2.e.2) below:	Engineering Judgement	Y	C	
V.D.2.e.1	Testing		If you elect the operating limit in V.D.1.e.1) above for fan motor amperes, measure and record the fan motor amperes during each push sampled for each particulate matter test run. Your operating limit is the lowest fan motor amperes recorded during any of the three runs that meet the emission limit.	Records Review	Y	C	
V.D.2.e.2	Testing		If you elect the operating limit in V.D.1.e.2) above for volumetric flow rate, measure and record the total volumetric flow rate at the inlet of the control device during each push sampled for each particulate matter test run. Your operating limit is the lowest volumetric flow rate recorded during any of the three runs that meet the emission limit.	Records Review	NA		
V.D.2.f	Testing	[§2103.12.h.6; §63.7323(e)]	The permittee may change the operating limit for a capture system if the requirements in Conditions V.D.2.f.(1) through (3) below are met:	Engineering Judgement	Y	C	
V.D.2.f.1	Testing		Submit a written notification to the Department of your request to conduct a new performance test to revise the operating limit.	Report Submission	Y	C	
V.D.2.f.2	Testing		Conduct a performance test to demonstrate that emissions of particulate matter from the control device do not exceed the applicable limit in §63.7290(a).	Records Review	Y	C	
V.D.2.f.3	Testing		Establish revised operating limits according to the applicable procedures in Condition V.D.2.e above.	Records Review	Y	C	
V.D.2.g	Testing	(§2103.12.h.1)	The Department reserves the right to require additional emissions testing sufficient to assure compliance with the terms and conditions of this permit. Such testing shall be performed in accordance with Site Level Condition IV.13 above and Article XXI §2108.02.	Administrative Requirement	Y	C	
V.D.3.a	Monitoring	[§2103.12.h.1, §2103.12.i and Installation Permit 0052-I008]	The permittee shall continuously monitor and record the differential pressure drop across each baghouse module.	Direct Measurement	Y	C	
V.D.3.b	Monitoring	[§2102.04.e; Installation Permit 0052-I008]	The permittee shall inspect the Battery 13, 14 and 15 PEC System baghouse, weekly, to insure compliance with Condition V.D.1.e above.	Records Review	Y	C	
V.D.3.c	Monitoring	[§2103.12.i; §63.7291(a)]	The permittee shall meet each of the following requirements in paragraphs V.D.3.c.1) below for each coke oven battery.	Administrative Requirement	Y	C	

Title V Citation	Category	Regulation	Requireme.	Compliance Method	Y/N	Type C/I	Co. .nts
V.D.3.c.1	Monitoring		Observe and record the opacity of fugitive pushing emissions from each oven at least once every 90 days. If an oven cannot be observed during a 90-day period due to circumstances that were not reasonably avoidable, you must observe the opacity of the first push of that oven following the close of the 90-day period that is capable of being observed in accordance with the procedures in §63.7334(a), and you must document why the oven was not observed within a 90-day period. All opacity observations of fugitive pushing emissions for batteries with vertical flues must be made using the procedures in §63.7334(a).	Physical Inspection/Records Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.D.3.c.2	Monitoring		Observe and record the opacity of fugitive pushing emissions for at least four consecutive pushes per battery each day. Exclude any push during which the observer's view is obstructed or obscured by interferences and observe the next available push to complete the set of four pushes. If necessary due to circumstances that were not reasonably avoidable, you may observe fewer than four consecutive pushes in a day; however, you must observe and record as many consecutive pushes as possible and document why four consecutive pushes could not be observed. You may observe and record one or more non-consecutive pushes in addition to any consecutive pushes observed in a day.	Physical Inspection/Records Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.D.3.c.3	Monitoring		Do not alter the pushing schedule to change the sequence of consecutive pushes to be observed on any day. Keep records indicating the legitimate operational reason for any change in your pushing schedule which results in a change in the sequence of consecutive pushes observed on any day.	Records Review	Y	C	
V.D.3.c.4	Monitoring		If the average opacity for any individual push exceeds 30 percent opacity for any short battery or 35 percent opacity for any tall battery, you must take corrective action and/or increase coking time for that oven. You must complete corrective action or increase coking time within either 10 calendar days or the number of days determined using Equation 1 of this section, whichever is greater:	Records Review	Y	C	
			X = 0.55 * Y (Eq. 1)		Y	C	
					Y	C	
			Where:		Y	C	
			X = Number of calendar days allowed to complete corrective action or increase coking time; and		Y	C	
			Y = Current coking time for the oven, hours.		Y	C	
					Y	C	
					Y	C	
			For the purpose of determining the number of calendar days allowed under Equation 1 of this section, day one is the first day following the day you observed an opacity in excess of 30 percent for any short battery or 35 percent for any tall battery. Any fraction produced by Equation 1 of this section must be counted as a whole day. Days during which the oven is removed from service are not included in the number of days allowed to complete corrective action.		Y	C	
V.D.3.c.5	Monitoring		The permittee shall demonstrate that:	Administrative Requirement	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.D.3.c.5.a	Monitoring		The corrective action and/or increased coking time was successful. After a period of time no longer than the number of days allowed in condition V.D.3.c.4) above, observe and record the opacity of the first two pushes for the oven capable of being observed using the procedures in §63.7334(a). The corrective action and/or increased coking time was successful if the average opacity for each of the two pushes is 30 percent or less for a short battery or 35 percent or less for a tall battery. If the corrective action and/or increased coking time was successful, you may return the oven to the 90-day reading rotation described in condition V.D.3.c.1)*1)* above. If the average opacity of either push exceeds 30 percent for a short battery or 35 percent for a tall battery, the corrective action and/or increased coking time was unsuccessful, and you must complete additional corrective action and/or increase coking time for that oven within the number of days allowed in condition V.D.3.c.4) above.	Physical Inspection/Records Review	Y	C	
V.D.3.c.5.b	Monitoring		After implementing any additional corrective action and/or increased coking time required under condition V.D.3.c.5)a) above or V.D.3.c.6)b) below, you must demonstrate that corrective action and/or increased coking time was successful. After a period of time no longer than the number of days allowed in condition V.D.3.c.4) above, you must observe and record the opacity of the first two pushes for the oven capable of being observed using the procedures in §63.7334(a). The corrective action and/or increased coking time was successful if the average opacity for each of the two pushes is 30 percent or less for a short battery or 35 percent or less for a tall battery. If the corrective action and/or increased coking time was successful, you may return the oven to the 90-day reading rotation described in condition V.D.3.c.1) above. If the average opacity of either push exceeds 30 percent for a short battery or 35 percent for a tall battery, the corrective action and/or increased coking time was unsuccessful, and tive action(s) and/or increased coking time. paragraph V.B.3.c.	Physical Inspection/ Records Review	Y	C	
V.D.3.c.5.c	Monitoring		If the corrective action and/or increased coking time was unsuccessful as described in condition V.D.3.c.5)b) above, the permittee must repeat the procedures in condition V.D.3.c.5)b) above until the corrective action and/or increased coking time is successful. You must report to the permitting authority as a deviation each unsuccessful attempt at corrective action and/or increased coking time under condition V.D.3.c.5)b) above.	Records Review	Y	C	
V.D.3.c.6	Monitoring		If at any time the permittee places an oven on increased coking time as a result of fugitive pushing emissions that exceed 30 percent for a short battery or 35 percent for a tall battery, you must keep the oven on the increased coking time until the oven qualifies for decreased coking time using one of the following procedures:	Physical Inspection/Records Review	Y	C	

Title V Citation	Category	Regulation	Requirem.	Compliance Method	Y/N	Type C/I	Co ents
V.D.3.c.6.a	Monitoring		To qualify for a decreased coking time for an oven placed on increased coking time in accordance with condition V.D.3.c.4) or V.D.3.c.5) above, you must operate the oven on the decreased coking time. After no more than two coking cycles on the decreased coking time, you must observe and record the opacity of the first two pushes that are capable of being observed using the procedures in §63.7334(a). If the average opacity for each of the two pushes is 30 percent or less for a short battery or 35 percent or less for a tall battery, you may keep the oven on the decreased coking time and return the oven to the 90-day reading rotation described in condition V.D.3.c.1) above. If the average opacity of either push exceeds 30 percent for a short battery or 35 percent for a tall battery, the attempt to qualify for a decreased coking time was unsuccessful. You must then return the oven to the previously established increased coking time, or implement other corrective action(s) and/or increased coking time. If you implcurately reported in the units of measurement specified by the applicable emission limitations of this permit. the repairs. The request shall be deemed approved unless and until such	Physical Inspection/Records Review	Y	C	
V.D.3.c.6.b	Monitoring		If the attempt to qualify for decreased coking time was unsuccessful as described in condition V.D.3.c.6)a) above, you may again attempt to qualify for decreased coking time for the oven. To do this, you must operate the oven on the decreased coking time. After no more than two coking cycles on the decreased coking time, you must observe and record the opacity of the first two pushes that are capable of being observed using the procedures in §63.7334(a). If the average opacity for each of the two pushes is 30 percent or less for a short battery or 35 percent or less for a tall battery, you may keep the oven on the decreased coking time and return the oven to the 90-day reading rotation described in condition V.D.3.c.1) above. If the average opacity of either push exceeds 30 percent for a short battery or 35 percent for a tall battery, the attempt to qualify for a decreased coking time was unsuccessful. You must then return the oven to the previously established increased coking time, or implement other correccurately reported in the units of measurement specified by the applicable emission limitations of this permit. the repairs. The request shall be deemed approved unless and until such time as the	Physical Inspection/ Records Review	Y	C	
V.D.3.c.6.c	Monitoring		The permittee must report to the permitting authority as a deviation the second and any subsequent consecutive unsuccessful attempts on the same oven to qualify for decreased coking time as described in condition V.D.3.c.6)b) above	Administrative Requirement	Y	C	
V.D.3.d	Monitoring	[§2103.12.h.6; §63.7291(b)]	As provided in §63.6(g), the permittee may request to use an alternative to the work practice standards in Condition V.D.3.c above.	Administrative Requirement	Y	C	
V.D.3.e	Monitoring	[§2103.12.h.6; §63.7300(c)]	The permittee shall prepare and operate at all times according to a written operation and maintenance plan for each capture system and control device applied to pushing emissions from coke battery(s). Each plan must address at a minimum the following elements.	Administrative Requirement	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
V.D.3.e.1	Monitoring		Monthly inspections of the equipment that are important to the performance of the total capture system (e.g., pressure sensors, dampers, and damper switches). This inspection must include observations of the physical appearance of the equipment (e.g., presence of holes in ductwork or hoods, flow constrictions caused by dents or accumulated dust in ductwork, and fan erosion). In the event a defect or deficiency is found in the capture system (during a monthly inspection or between inspections), you must complete repairs within 30 days after the date that the defect or deficiency is discovered. If you determine that the repairs cannot be completed within 30 days, you must submit a written request for an extension of time to complete the repairs that must be received by the permitting authority not more than 20 days after the date that the defect or deficiency is discovered.	Physical Inspection/ Records Review	Y	C	
			The request must contain a description of the defect or deficiency, the steps needed and taken to correct the problem, the interim steps being taken to mitigate the emissions impact of the defect or deficiency, and a proposed schedule for completing the repairs. The request shall be deemed approved unless and until such time as the permitting authority notifies you that it objects to the request. The permitting authority may consider all relevant factors in deciding whether to approve or deny the request (including feasibility and safety). Each approved schedule must provide for completion of repairs as expeditiously as practicable, and the permitting authority may request modifications to the proposed schedule as part of the approval process.		Y	C	
V.D.3.e.2	Monitoring		Preventative maintenance for each control device, including a preventative maintenance schedule that is consistent with the manufacturer's instructions for routine and long-term maintenance.	Records Review	Y	C	
V.D.3.e.3	Monitoring		Corrective action for all baghouses applied to pushing emissions. In the event a bag leak detection system alarm is triggered, you must initiate corrective action to determine the cause of the alarm within 1 hour of the alarm, initiate corrective action to correct the cause of the problem within 24 hours of the alarm, and complete the corrective action as soon as practicable. Actions may include, but are not limited to:	Process Knowledge	Y	C	
V.D.3.e.3.a	Monitoring		Inspecting the baghouse for air leaks, torn or broken bags or filter media, or any other condition that may cause an increase in emissions.	Physical Inspection/Procedures	Y	C	
V.D.3.e.3.b	Monitoring		Sealing off defective bags or filter media.	Process Knowledge	Y	C	
V.D.3.e.3.c	Monitoring		Replacing defective bags or filter media or otherwise repairing the control device.	Process Knowledge	Y	C	
V.D.3.e.3.d	Monitoring		Sealing off a defective baghouse compartment.	Process Knowledge	Y	C	
V.D.3.e.3.e	Monitoring		Cleaning the bag leak detection system probe, or otherwise repairing the bag leak detection system.	Process Knowledge	Y	C	
V.D.3.e.3.f	Monitoring		Shutting down the process producing the particulate emissions.	Process Knowledge	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type C/I	Comments
V.D.3.f	Monitoring	[§2103.12.h.6; §63.7330(a)]	For the PEC system baghouse applied to pushing emissions from a coke oven battery, the permittee shall at all times monitor the relative change in particulate matter loadings using a bag leak detection system according to the requirements in V.D.3.g below and conduct inspections at their specified frequency according to the following requirements:	Direct Measurement/ Records Review	Y	C	
V.D.3.f.1	Monitoring		Monitor the pressure drop across each baghouse cell each day to ensure pressure drop is within the normal operating range identified in the manual;	Direct Measurement/ Records Review	Y	C	
V.D.3.f.2	Monitoring		Confirm that dust is being removed from hoppers through weekly visual inspections or equivalent means of ensuring the proper functioning of removal mechanisms;	Physical Inspection/ Procedures	Y	C	
V.D.3.f.3	Monitoring		Check the compressed air supply for pulse-jet baghouses each day;	Physical Inspection/ Procedures	Y	C	
V.D.3.f.4	Monitoring		Monitor cleaning cycles to ensure proper operation using an appropriate methodology;	Physical Inspection/ Procedures	Y	C	
V.D.3.f.5	Monitoring		Check bag cleaning mechanisms for proper functioning through monthly visual inspection or equivalent means;	Physical Inspection/ Procedures	Y	C	
V.D.3.f.6	Monitoring		Make monthly visual checks of bag tension on reverse air and shaker-type baghouses to ensure that bags are not kinked (kneed or bent) or laying on their sides. You do not have to make this check for shaker-type baghouses using self-tensioning (spring-loaded) devices;	Physical Inspection/ Procedures	Y	C	
V.D.3.f.7	Monitoring		Confirm the physical integrity of the baghouse through quarterly visual inspections of the baghouse interior for air leaks; and	Physical Inspection/ Procedures	Y	C	
V.D.3.f.8	Monitoring		Inspect fans for wear, material buildup, and corrosion through quarterly visual inspections, vibration detectors, or equivalent means.	Physical Inspection/ Procedures	Y	C	
V.D.3.g	Monitoring	[§2103.12.h.6; §63.7331(a)]	The permittee shall install, operate, and maintain a bag leak detection system on the PEC system baghouse according to the following requirements:	Engineering Judgement	Y	C	
V.D.3.g.1	Monitoring		The system must be certified by the manufacturer to be capable of detecting emissions of particulate matter at concentrations of 10 milligrams per actual cubic meter (0.0044 grains per actual cubic foot) or less;	Design Parameter	Y	C	
V.D.3.g.2	Monitoring		The system must provide output of relative changes in particulate matter loadings;	Design Parameter	Y	C	
V.D.3.g.3	Monitoring		The system must be equipped with an alarm that will sound when an increase in relative particulate loadings is detected over a preset level. The alarm must be located such that it can be heard by the appropriate plant personnel;	Design Parameter	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type C/I	Comments
V.D.3.g.4	Monitoring		Each system that works based on the triboelectric effect must be installed, operated, and maintained in a manner consistent with the guidance document, "Fabric Filter Bag Leak Detection Guidance" (EPA-454/R-98-015, September 1997). You may install, operate, and maintain other types of bag leak detection systems in a manner consistent with the manufacturer's written specifications and recommendations;	Engineering Judgement	Y	C	
V.D.3.g.5	Monitoring		To make the initial adjustment of the system, establish the baseline output by adjusting the sensitivity (range) and the averaging period of the device. Then, establish the alarm set points and the alarm delay time;	Engineering Judgement	Y	C	
V.D.3.g.6	Monitoring		Following the initial adjustment, do not adjust the sensitivity or range, averaging period, alarm set points, or alarm delay time, except as detailed in your operation and maintenance plan. Do not increase the sensitivity by more than 100 percent or decrease the sensitivity by more than 50 percent over a 365-day period unless a responsible official certifies, in writing, that the baghouse has been inspected and found to be in good operating condition; and	Administrative Requirement	Y	C	
V.D.3.g.7	Monitoring		Where multiple detectors are required, the system's instrumentation and alarm may be shared among detectors.	Engineering Judgement	Y	C	
V.D.3.h	Monitoring	[§2103.12.h.6; §2103.12.i; §63.7331(b)]	For each CPMS required in V.D.3.m below, you must develop and make available for inspection upon request by the permitting authority a site-specific monitoring plan that addresses the requirements in Conditions V.D.3.h.1) through V.D.3.h.6) below:	Administrative Requirement	Y	C	
V.D.3.h.1	Monitoring		Installation of the CPMS sampling probe or other interface at a measurement location relative to each affected process unit such that the measurement is representative of control of the exhaust emissions (e.g., on or downstream of the last control device);	Direct Measurement/ Records Review	Y	C	
V.D.3.h.2	Monitoring		Performance and equipment specifications for the sample interface, the parametric signal analyzer, and the data collection and reduction system;	Design Parameter	Y	C	
V.D.3.h.3	Monitoring		Performance evaluation procedures and acceptance criteria (e.g., calibrations);	Engineering Judgement	Y	C	
V.D.3.h.4	Monitoring		Ongoing operation and maintenance procedures in accordance with the general requirements of §63.8(c)(1), (3), (4)(ii), (7), and (8);	Engineering Judgement	Y	C	
V.D.3.h.5	Monitoring		Ongoing data quality assurance procedures in accordance with the general requirements of §63.8(d); and	Engineering Judgement	Y	C	
V.D.3.h.6	Monitoring		Ongoing recordkeeping and reporting procedures in accordance the general requirements of §63.10(c), (e)(1), and (e)(2)(i).	Administrative Requirement	Y	C	
V.D.3.i	Monitoring	[§2103.12.h.6; §63.7331(e)]	The permittee shall conduct a performance evaluation of each CPMS in accordance with your site-specific monitoring plan.	Records Review	Y	C	
V.D.3.j	Monitoring	[§2103.12.h.6; §2103.12.i; §63.7331(d)]	The permittee shall operate and maintain each CPMS in continuous operation according to the site-specific monitoring plan.	Administrative Requirement	Y	C	
V.D.3.k	Monitoring	§2103.12.i [§2103.12.h.6; §63.7331(h)]	If the permittee elects the operating limit in V.D.1.e.1) above for a capture system applied to pushing emissions, you must install, operate, and maintain a device to measure the fan motor amperes.	Direct Measurement/ Records Review	Y	C	

Title V Citation	Category	Regulation	Requirem	Compliance			Co...ents
				Method	Y/N	Type C/I	
V.D.3.l	Monitoring	[§2103.12.h.6; §2103.12.i; §63.7331(g)]	If the permittee elects the operating limit in V.D.1.e.2) above for a capture system applied to pushing emissions, you must install, operate, and maintain a device to measure the total volumetric flow rate at the inlet of the control device.	Direct Measurement/ Records Review	Y	C	
V.D.3.m	Monitoring	[§2103.12.h.6; §2103.12.i; §63.7330(d)]	For each capture system applied to pushing emissions, the permittee shall at all times monitor the fan motor amperes according to the requirements in Condition V.D.3.k or the volumetric flow rate according to the requirements in Condition V.D.3.l above.	Direct Measurement/ Records Review	Y	C	
V.D.3.n	Monitoring	[§2103.12.h.6; §2103.12.i; §63.7332(a)]	Except for monitor malfunctions, associated repairs, and required quality assurance or control activities (including as applicable, calibration checks and required zero and span adjustments), the permittee shall monitor continuously (or collect data at all required intervals) at all times the affected source is operating.	Direct Measurement/ Records Review	Y	C	
V.D.3.o	Monitoring	[§2103.12.h.6; §2103.12.i; §63.7332(b)]	The permittee shall not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities in data averages and calculations used to report emission or operating levels, or in fulfilling a minimum data availability requirement, if applicable. The permittee shall use all the data collected during all other periods in assessing compliance. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitor to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.	Records Review	Y	C	
V.D.3.p	Monitoring	[§2103.12.h.6; §2103.12.i; §63.7333(d)]	For each capture system applied to pushing emissions and subject to the operating limit in Condition V.D.1.e.1) above, the permittee shall demonstrate continuous compliance by meeting the requirements in Condition V.D.3.p.1) or V.D.3.p.2) below:	Administrative Requirement	Y	C	
V.D.3.p.1	Monitoring		If the permittee elects the operating limit for fan motor amperes in V.D.1.e.1) above:	Administrative Requirement	Y	C	
V.D.3.p.1.a	Monitoring		Maintaining the daily average fan motor amperes at or above the minimum level established during the initial or subsequent performance test; and	Direct Measurement/ Records Review	Y	C	
V.D.3.p.1.b	Monitoring		Checking the fan motor amperes at least every 8 hours to verify the daily average is at or above the minimum level established during the initial or subsequent performance test and recording the results of each check.	Direct Measurement/ Records Review	Y	C	
V.D.3.p.2	Monitoring		If the permittee elects the operating limit for volumetric flow rate in V.D.1.e.2) above:	Administrative Requirement	Y	C	
V.D.3.p.2.a	Monitoring		Maintaining the daily average volumetric flow rate at the inlet of the control device at or above the minimum level established during the initial or subsequent performance test; and	Direct Measurement/ Records Review	Y	C	
V.D.3.p.2.b	Monitoring		Checking the volumetric flow rate at least every 8 hours to verify the daily average is at or above the minimum level established during the initial or subsequent performance test and recording the results of each check.	Direct Measurement/ Records Review	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type C/I	Comments
V.D.3.q	Monitoring	[§2103.12.h.6; §2103.12.i; §63.7334(a)]	The permittee shall demonstrate continuous compliance with the work practice standards for fugitive pushing emissions according to the following requirements:	Administrative Requirement	Y	C	
V.D.3.q.1	Monitoring		Observe and record the opacity of fugitive emissions for four consecutive pushes per operating day, except you may make fewer or non-consecutive observations as permitted by Condition V.D.3.c.2) above. Maintain records of the pushing schedule for each oven and records indicating the legitimate operational reason for any change in the pushing schedule according to Condition V.D.3.c.3) above.	Physical Inspection/Records Review	Y	C	
V.D.3.q.2	Monitoring		Observe and record the opacity of fugitive emissions from each oven in a battery at least once every 90 days. If an oven cannot be observed during a 90-day period, observe and record the opacity of the first push of that oven following the close of the 90-day period that can be read in accordance with the procedures in paragraphs V.D.3.q.1) through V.D.3.q.8).	Physical Inspection/ Records Review	Y	C	
V.D.3.q.3	Monitoring		Make all observations and calculations for opacity observations of fugitive pushing emissions in accordance with Method 9 in Appendix A to 40 CFR Part 60 using a Method 9 certified observer unless you have an approved alternative procedure under V.D.3.q.7) below.	Physical Inspection/ Records Review	Y	C	
V.D.3.q.4	Monitoring		Record pushing opacity observations at 15-second intervals as required in section 2.4 of Method 9 (Appendix A to 40 CFR Part 60). The requirement in section 2.4 of Method 9 for a minimum of 24 observations does not apply, and the data reduction requirements in section 2.5 of Method 9 do not apply. The requirement in §63.6(h)(5)(ii) for obtaining at least 3 hours of observations (thirty 6-minute averages) to demonstrate initial compliance does not apply.	Physical Inspection/ Records Review	Y	C	
V.D.3.q.5	Monitoring		If fewer than six but at least four 15-second observations can be made, use the average of the total number of observations to calculate average opacity for the push. Missing one or more observations during the push (e.g., as the quench car passes behind a building) does not invalidate the observations before or after the interference for that push. However, a minimum of four 15-second readings must be made for a valid observation.	Physical Inspection	Y	C	
V.D.3.q.6	Monitoring		Begin observations for a push at the first detectable movement of the coke mass. End observations of a push when the quench car enters the quench tower.	Physical Inspection	Y	C	
V.D.3.q.6.a	Monitoring		Observe fugitive pushing emissions from a position at least 10 meters from the quench car that provides an unobstructed view and avoids interferences from the topside of the battery. This may require the observer to be positioned at an angle to the quench car rather than perpendicular to it. Typical interferences to avoid include emissions from open standpipes and charging. Observe the opacity of emissions above the battery top with the sky as the background where possible. Record the oven number of any push not observed because of obstructions or interferences.	Physical Inspection	Y	C	
V.D.3.q.6.b	Monitoring		You may reposition after the push to observe emissions during travel if necessary.	Administrative Requirement	Y	C	

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V.D.3.q.7	Monitoring		If it is infeasible to implement the procedures in Conditions V.D.3.q.1) through V.D.3.q.6) above for an oven due to physical obstructions, nighttime pushes, or other reasons, you may apply to the Department for permission to use an alternative procedure. The application must provide a detailed explanation of why it is infeasible to use the procedures in Conditions V.D.3.q.1) through V.D.3.q.6) above, identify the oven and battery numbers, and describe the alternative procedure. An alternative procedure must identify whether the coke in that oven is not completely coked, either before, during, or after an oven is pushed.	Administrative Requirement	Y	C	
V.D.3.q.8	Monitoring		For each oven observed that exceeds an opacity of 30 percent for any short battery or 35 percent for any tall battery, you must take corrective action and/or increase the coking time in accordance with Condition V.D.3.c above. Maintain records documenting conformance with Condition V.D.3.c above.	Process Knowledge/Records Review	Y	C	
V.D.3.r	Monitoring	[§2103.12.h.6; §2103.12.i; §63.7335(c)]	To demonstrate continuous compliance with the operation and maintenance requirements for a baghouse applied to pushing emissions from a coke oven battery in V.D.3.g above, the permittee shall inspect and maintain each baghouse according to the requirements in Conditions V.D.3.g.1) through V.D.3.g.7) above and record all information needed to document conformance with these requirements. If you increase or decrease the sensitivity of the bag leak detection system beyond the limits specified in Condition V.D.3.g.6) above you must include a copy of the required written certification by a responsible official in the next semiannual compliance report.	Physical Inspection/ Records Review	Y	C	
V.D.4.a	Record Keeping	[§2103.12.j; §2102.04.b.6; Installation Permit 0052-I008]	The results of the inspections required by Condition V.D.3.b above shall be recorded weekly along with the differential pressure drop across the baghouse.	Records Review	Y	C	
V.D.4.b	Record Keeping	[§2103.12.j; §2102.04.b.6; Installation Permit 0052-I008]]	Episodes of non-compliance with Conditions V.D.1.a through V.D.1.g and V.D.3.b above and corrective actions taken shall be recorded upon occurrence.	Records Review	Y	C	
V.D.4.c	Record Keeping	[§2103.12.j; §2102.04.b.6; Installation Permit 0052-I008]	The permittee shall keep records of each baghouse maintenance inspection and repair, replacement or other corrective action.	Records Review	Y	C	
V.D.4.d	Record Keeping	[§2103.12.j; §2103.12.h.6; §63.7342(a)]	The permittee shall keep the following records:	Records Review	Y	C	
V.D.4.d.1	Record Keeping		A copy of each notification and report that was submitted to comply with this subpart, including all documentation supporting any initial notification or notification of compliance status that you submitted, according to the requirements in §63.10(b)(2)(xiv).	Records Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type C/I	Comments
V.D.4.d.2	Record Keeping		The records in §63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction.	Records Review	Y	C	
V.D.4.d.3	Record Keeping		Records of performance tests, performance evaluations, and opacity observations as required in §63.10(b)(2)(viii).	Records Review	Y	C	
V.D.4.e	Record Keeping	[§2103.12.j; §2103.12.h.6; §63.7342(b)]	For each COMS or CEMS, the permittee shall keep the following records.	Administrative Requirement	Y	C	
V.D.4.e.1	Record Keeping		Records described in §63.10(b)(2)(vi) through (xi).	Records Review	Y	C	
V.D.4.e.2	Record Keeping		Monitoring data for COMS during a performance evaluation as required in §63.6(h)(7)(i) and (ii).	Records Review	Y	C	
V.D.4.e.3	Record Keeping		Previous (that is, superceded) versions of the performance evaluation plan as required in §63.8(d)(3).	Records Review	Y	C	
V.D.4.e.4	Record Keeping		Records of the date and time that each deviation started and stopped, and whether the deviation occurred during a period of startup, shutdown, or malfunction or during another period.	Records Review	Y	C	
V.D.4.f	Record Keeping	[§2103.12.j; §2103.12.h.6; §63.7342(c)]	The permittee shall keep the records in §63.6(h)(6) for visual observations.	Records Review	Y	C	
V.D.4.g	Record Keeping	[§2103.12.j; §2103.12.h.6; §63.7342(d)]	The permittee shall keep the records required in Conditions V.D.3.r above and V.D.4.l through V.D.4.n below to show continuous compliance with each emission limitation, work practice standard, and operation and maintenance requirement that applies to you.	Records Review	Y	C	
V.D.4.h	Record Keeping	[§2103.12.j; §2103.12.h.6; §63.7343(a)]	The permittee shall keep records in a form suitable and readily available for expeditious review, according to §63.10(b)(1).	Records Review	Y	C	
V.D.4.i	Record Keeping	[§2103.12.j; §2103.12.h.6; §63.7343(b)]	As specified in §63.10(b)(1), the permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.	Records Review	Y	C	
V.D.4.j	Record Keeping	[§2103.12.j; §2103.12.h.6; §63.7343(c)]	The permittee shall keep each record on site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1). You can keep the records offsite for the remaining 3 years.	Records Review	Y	C	
V.D.4.k	Record Keeping	[§2103.12.j; §2103.12.h.6; §63.7335(b)]	For each coke oven battery with a capture system or control device applied to pushing emissions, the permittee shall demonstrate continuous compliance with the operation and maintenance requirements in Condition V.D.3.e above by meeting the following requirements:	Records Review	Y	C	
V.D.4.k.1	Record Keeping		Making monthly inspections of capture systems according to Condition V.D.3.e.1) above and recording all information needed to document conformance with these requirements;	Physical Inspection/ Records Review	Y	C	
V.D.4.k.2	Record Keeping		Performing preventative maintenance for each control device according to Condition V.D.3.e.2) above and recording all information needed to document conformance with these requirements; and	Process Knowledge/ Records Review	Y	C	

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V.D.4.k.3	Record Keeping		Initiating and completing corrective action for a bag leak detection system alarm according to Condition V.D.3.e.3) above and recording all information needed to document conformance with these requirements. This includes records of the times the bag leak detection system alarm sounds, and for each valid alarm, the time you initiated corrective action, the corrective action(s) taken, and the date on which corrective action is completed.	Process Knowledge/ Records Review	Y	C	
V.D.4.l	Record Keeping	[§2103.12.j; 63.7335(c)]	The permittee shall inspect and maintain the pushing emission control baghouse as required in V.D.3.g.1) through V.D.3.g.7) above and record all information needed to document conformance with these requirements. If you increase or decrease the sensitivity of the bag leak detection system beyond the limits specified in V.D.3.g.6) above, you must include a copy of the required written certification by a responsible official in the next semiannual compliance report.	Physical Inspection/ Records Review	Y	C	
V.D.4.m	Record Keeping	[§2103.12.j; 63.7335(d)]	The permittee shall maintain a current copy of the operation and maintenance plans required in §63.7300(b) and (c) onsite and available for inspection upon request. The plans shall be kept for the life of the affected source or until the affected source is no longer subject to the requirements of 40 CFR Part 63, Subpart CCCCC.	Records Review	Y	C	
V.D.4.n	Record Keeping	[§2103.12.j; §2102.04.e; Installation Permit 0052-I008]	All records shall be retained by the facility for at least five (5) years. These records shall be made available to the Department upon request for inspection and/or copying.	Administrative Requirement	Y	C	
V.D.5.a	Reporting	[§2103.12.k; §2102.04.b.6; Installation Permit 0052-I008]	The permittee shall report all instances of non-compliance with Conditions V.D.1.a through V.D.1.g, V.D.3.a and V.D.3.b above, and V.D.4.a through V.D.4.n above along with all corrective action taken to restore the subject equipment to compliance, to the Department every six months.	Report Submission	Y	C	
V.D.5.b	Reporting	[§2103.12.k; §2102.04.e; Installation Permit 0052-I008]	Reporting instances of non-compliance in accordance with Condition V.D.5.a above does not relieve the permittee of the requirement to report breakdowns in accordance with IV.8 above, if appropriate.	Report Submission	Y	C	
V.D.5.c	Reporting	[§2103.12.k; §2109.03 and Enforcement Order 202.E, 3/28/90]	No later than twenty (20) days after the end of each month, a written report of a summary of the following during each such month shall be submitted to the Department:	Report Submission	Y	C	
V.D.5.c.1	Reporting		For each individual coke battery or group of batteries served by the same pushing emission control system, and for all coke batteries combined:	Engineering Judgement	Y	C	
V.D.5.c.1.a	Reporting		The total number of pushes for the month;	Records Review	Y	C	
V.D.5.c.1.b	Reporting		The total number of controlled pushes for the month; and the monthly percentage availability (on-line time) of the pushing control system, based on the total number of pushes and total number of controlled pushes.	Records Review	Y	C	

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V.D.5.c.2	Reporting		For each outage of the pushing control system at each individual coke battery or group of batteries served by the same pushing emission control system:	Records Review	Y	C	
V.D.5.c.2.a	Reporting		The batteries affected;	Records Review	Y	C	
V.D.5.c.2.b	Reporting		The starting and ending dates and times;	Records Review	Y	C	
V.D.5.c.2.c	Reporting		The total time of each outage, to the nearest tenth of an hour;	Records Review	Y	C	
V.D.5.c.2.d	Reporting		The corresponding Department Breakdown Number; and the reason(s) or cause(s) for the outage.	Records Review	Y	C	
V.D.5.d	Reporting	[§2103.12.k; §2103.12.h.6; §63.7336(a)]	The permittee shall report each instance in which Conditions V.D.1.d, V.D.1.e and V.D.1.f was not met. This includes periods of startup, shutdown, and malfunction. The permittee shall also report each instance in which you did not meet each work practice standard or operation and maintenance requirement in conditions V.D.6.a, V.D.6.b and V.D.6.c. These instances are deviations from the emission limitations (including operating limits), work practice standards, and operation and maintenance requirements of 40 CFR Part 63, Subpart CCCCC. These deviations must be reported according to the requirements in V.D.i.5.h through V.D.i.5.k below.	Report Submission	Y	C	
V.D.5.e	Reporting	[§2103.12.k; §2103.12.h.6; §63.7336(b)]	During periods of startup, shutdown, and malfunction, you must operate in accordance with your startup, shutdown, and malfunction plan.	Administrative Requirement	Y	C	
V.D.5.e.1	Reporting		Consistent with §63.6(e) and 63.7(c)(1), deviations that occur during a period of startup, shutdown, or malfunction are not violations if you demonstrate to the Department's satisfaction that you were operating in accordance with the startup, shutdown, and malfunction plan.	Engineering Judgement	Y	C	
V.D.5.e.2	Reporting		The Department will determine whether deviations that occur during a period of startup, shutdown, or malfunction are violations, according to the provisions in §63.6(e).	Administrative Requirement	Y	C	
V.D.5.f	Reporting	[§2103.12.k; §2103.12.h.6; §63.7340(a)]	The permittee shall submit all of the notifications in §63.6(h)(4) and (5), 63.7(b) and (c), 63.8(e) and (f)(4), and 63.9(b) through (h) that apply to you by the specified dates.	Report Submission	Y	C	
V.D.5.g	Reporting	[§2103.12.k; §2103.12.h.6; §63.7340(d)]	If you are required to conduct a performance test, the permittee shall submit a notification of intent to conduct a performance test at least 60 calendar days before the performance test is scheduled to begin as required in §63.7(b)(1).	Report Submission	Y	C	
V.D.5.h	Reporting	[§2103.12.k; §2103.12.h.6; §63.7341(a)]	Unless the Department has approved a different schedule, the permittee must submit semiannual compliance reports for the PEC stacks to the Department according to the requirements in Conditions V.D.5.h.1) and V.D.5.h.2) below:	Report Submission	Y	C	
V.D.5.h.1	Reporting		Each compliance report shall cover the semiannual reporting period as specified in General Condition III.15.d above. All semiannual compliance reports must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.	Administrative Requirement	Y	C	

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V.D.5.h.2	Reporting		For each affected source that is subject to permitting regulations pursuant to 40 CFR Part 70 or 40 CFR Part 71, and if the permitting authority has established dates for submitting semiannual reports pursuant to 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), you may submit the first and subsequent compliance reports according to the dates the Department has established instead of according to the dates in Conditions V.D.5.h.1) above.	Administrative Requirement	Y	C	
V.D.5.i	Reporting	[§2103.12.k; §2103.12.h.6; §63.7341(c)]	Each semiannual compliance report must provide information on compliance with the emission limitations, work practice standards, and operation and maintenance requirements for all affected sources except battery stacks. The reports must include the information in V.D.5.i.1) through V.D.5.i.3) below, and as applicable, Conditions V.D.5.i.4) through V.D.5.i.8) below.	Records Review	Y	C	
V.D.5.i.1	Reporting		Company name and address.	Records Review	Y	C	
V.D.5.i.2	Reporting		Statement by a responsible official, with the official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.	Records Review	Y	C	
V.D.5.i.3	Reporting		Date of report and beginning and ending dates of the reporting period.	Records Review	Y	C	
V.D.5.i.4	Reporting		If there was a startup, shutdown, or malfunction during the reporting period and you took actions consistent with your startup, shutdown, and malfunction plan, the compliance report must include the information in §63.10(d)(5)(i).	Records Review	Y	C	
V.D.5.i.5	Reporting		If there were no deviations from the continuous compliance requirements in Conditions V.D.3.p) through V.D.3.r below and V.D.4.k) through V.D.4.m below, a statement that there were no deviations from the emission limitations, work practice standards, or operation and maintenance requirements during the reporting period.	Records Review	Y	C	
V.D.5.i.6	Reporting		If there were no periods during which a continuous monitoring system (including COMS, continuous emission monitoring system (CEMS), or CPMS) was out-of-control as specified in §63.8(c)(7), a statement that there were no periods during which a continuous monitoring system was out-of-control during the reporting period.	Records Review	Y	C	
V.D.5.i.7	Reporting		For each deviation from an emission limitation in 40 CFR 63, Subpart CCCCC and for each deviation from the requirements for work practice standards in this 40 CFR Part 63, Subpart CCCCC that occurs at an affected source where the permittee is not using a continuous monitoring system (including a COMS, CEMS, or CPMS) to comply with the emission limitations in this subpart, the compliance report must contain the information in Conditions V.D.5.i.4), V.D.5.i.7)a) and V.D.5.i.7)b) below. This includes periods of startup, shutdown, and malfunction.	Records Review	Y	C	
V.D.5.i.7.a	Reporting		The total operating time of each affected source during the reporting period.	Records Review	Y	C	
V.D.5.i.7.b	Reporting		Information on the number, duration, and cause of deviations (including unknown cause, if applicable) as applicable and the corrective action taken.	Records Review	Y	C	

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V.D.5.i.8	Reporting		For each deviation from an emission limitation occurring at an affected source where the permittee is using a continuous monitoring system (including COMS, CEMS, or CPMS) to comply with the emission limitation 40 CFR 63, Subpart CCCCC, the permittee must include the information in Conditions V.D.5.i.4), V.D.5.i.8)a) through V.D.5.i.8)l) below. This includes periods of startup, shutdown, and malfunction.	Records Review	Y	C	
V.D.5.i.8.a	Reporting		The date and time that each malfunction started and stopped.	Records Review	Y	C	
V.D.5.i.8.b	Reporting		The date and time that each continuous monitoring system (including COMS, CEMS, or CPMS) was inoperative, except for zero (low-level) and high-level checks.	Records Review	Y	C	
V.D.5.i.8.c	Reporting		The date, time, and duration that each continuous monitoring system (including COMS, CEMS, or CPMS) was out-of-control, including the information in §63.8(c)(8).	Records Review	Y	C	
V.D.5.i.8.d	Reporting		The date and time that each deviation started and stopped, and whether each deviation occurred during a period of startup, shutdown, or malfunction or during another period.	Records Review	Y	C	
V.D.5.i.8.e	Reporting		A summary of the total duration of the deviation during the reporting period and the total duration as a percent of the total source operating time during that reporting period.	Records Review	Y	C	
V.D.5.i.8.f	Reporting		A breakdown of the total duration of the deviations during the reporting period into those that are due to startup, shutdown, control equipment problems, process problems, other known causes, and other unknown causes.	Records Review	Y	C	
V.D.5.i.8.g	Reporting		A summary of the total duration of continuous monitoring system downtime during the reporting period and the total duration of continuous monitoring system downtime as a percent of the total source operating time during the reporting period.	Records Review	Y	C	
V.D.5.i.8.h	Reporting		An identification of each HAP that was monitored at the affected source.	Records Review	Y	C	
V.D.5.i.8.i	Reporting		A brief description of the process units.	Records Review	Y	C	
V.D.5.i.8.j	Reporting		A brief description of the continuous monitoring system.	Records Review	Y	C	
V.D.5.i.8.k	Reporting		The date of the latest continuous monitoring system certification or audit.	Records Review	Y	C	
V.D.5.i.8.l	Reporting		A description of any changes in continuous monitoring systems, processes, or controls since the last reporting period.	Engineering Judgement	Y	C	
V.D.5.j	Reporting	[§2103.12.k; §2103.12.h.6; §63.7341(d)]	If the permittee had a startup, shutdown, or malfunction during the semiannual reporting period that was not consistent with your startup, shutdown, and malfunction plan, you must submit an immediate startup, shutdown, and malfunction report according to the requirements in §63.10(d)(5)(ii).	Report Submission	Y	C	

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				Method	Y/N	Type C/I	
V.D.5.k	Reporting	[§2103.12.k; §2103.12.h.6; §63.7341(e)]	If the permittee submits a compliance report for an affected source along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A), and the compliance report includes all the required information concerning deviations from any emission limitation or work practice standard in 40 CFR Part 63, Subpart CCCCC, submission of the compliance report satisfies any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report does not otherwise affect any obligation you may have to report deviations from permit requirements to the Department.	Administrative Requirement	Y	C	
V.D.6.a	Work Practice Standards	[§2103.12.k; §2103.12.h.6; §63.7310(c)]	The permittee shall develop and implement a written startup, shutdown, and malfunction plan according to the provisions in 40 CFR 63, Subpart A, §63.6(e)(3).	Engineering Judgment	Y	C	
V.D.6.b	Work Practice Standards	[§2103.12.k; §2103.12.h.6; §63.7300(a)]	As required by §63.6(e)(1)(i), the permittee shall operate and maintain each coke battery including air pollution control and monitoring equipment, in a manner consistent with good air pollution control practices for minimizing emissions at least to the levels required by 40 CFR Part 63, Subpart CCCCC.	Process Knowledge	Y	C	
V.D.6.c	Work Practice Standards	[§2103.12.k; §2103.12.h.6; §63.7310(a)]	The permittee shall be in compliance with the emission limitations, work practice standards, and operation and maintenance requirements of 40 CFR 63, Subpart CCCCC at all times, except during periods of startup, shutdown, and malfunction as defined in §63.2.	Records Review	Y	C	
V.D.7	Additional Requirements		The definitions in 40 CFR 63.7352 are hereby incorporated into this permit by reference.	Administrative Requirement	Y	C	

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				Method	Y/N	Type C/I	
V.E.1.a	Restrictions	§2103.12.h.6; 63.307(a)(1)	The permittee shall install, operate and maintain a bypass/bleeder stack flare system in each battery that is capable of controlling 120 percent of the normal gas flow generated by each battery, which shall thereafter be operated and maintained.	Process Knowledge & Physical Inspection	Y	C	
V.E.1.b	Restrictions	§2103.12.h.6; 63.307(a)(2)	Coke oven emissions shall not be vented to the atmosphere through bypass/bleeder stacks, except through the flare system or the alternative control device as described in V.E.1.c below.	Process Knowledge & Physical Inspection	Y	C	
V.E.1.c	Restrictions	§2103.12.h.6; §63.307(d)	As an alternative to the installation, operation, and maintenance of a flare system as required in Conditions V.E.1.a above and V.E.1.b above, the owner or operator may petition the Administrator and the Department for approval of an alternative control device or system that achieves at least 98 percent destruction or control of coke oven emissions vented to the alternative control device or system.	Administrative Requirement	Y	C	
V.E.1.d	Restrictions	§2103.12.h.6; §63.307(b)(1)	The emergency bypass/bleeder stack flare system for each battery shall be designed for a net heating value of 240 Btu per standard cubic feet (Btu/scf).	Engineering Judgement	Y	C	
V.E.1.e	Restrictions	§2103.12.h.6; §63.307(b)(2); §63.307(b)(4) and §63.309)(h)(2)	Each flare shall have a continuously operable pilot flame that is present at all times as determined by a thermocouple or any other equivalent device.	Process Knowledge & Physical Inspection	Y	C	
V.E.1.f	Restrictions	§2105.21.b.5	The permittee shall not operate, or allow to be operated, coke oven batteries 19 and 20 unless there is installed big plug doors on the coke side of each oven. A big plug door is a door that, when installed, contains a plug with minimum dimensions of 17" minimum width and 16 1/4" minimum depth.	Process Knowledge & Physical Inspection	Y	C*	The compliance certification contained in this submittal is based on the understanding that big plug doors meet the specified dimensions when intially installed except that portion of the plug located in the tunnel head above the design coal line. The plugs may experience inconsequential dimentional changes over time in te course of normal operation.
V.E.1.g	Restrictions	§2103.12.h.6; §63.310(a)	At all times including periods of startup, shutdown, and malfunction, the permittee shall operate and maintain the coke oven batteries and its pollution control equipment required under 40 CFR 63, Subpart L, in a manner consistent with good air pollution control practices for minimizing emissions to the levels required by any applicable performance standards under Subpart L. Failure to adhere to these requirements shall not constitute a separate violation if a violation of an applicable performance or work practice standard has also occurred.	Record Review	Y	C	

Title V Citation	C ry	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
V.E.1.h	Restrictions	§2105.21.h.4	The permittee shall not operate, or allow to be operated, any source in such manner that unburned coke oven gas is emitted into the open air. In addition, the permittee shall not flare, mix, or combust coke oven gas, or allow such gas to be flared, mixed or combusted unless the concentration of sulfur compounds, measured as hydrogen sulfide, in such gas is less than or equal to 40 grains per hundred dry standard cubic feet of coke oven gas produced by Clairton Works, when all sulfur emissions from the Claus Sulfur Recovery Plant and the tail gas cleaning equipment thereon, expressed as equivalent H2S are added to the measured H2S. The concentration of sulfur compounds specified shall include the tail-gas sulfur, measured as hydrogen sulfide, emitted from sulfur removal equipment.	Direct Measurement & Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.E.1.i	Restrictions	§2103.12.h.6; §63.307(c) and §63.309(h)(1)	Each flare installed to meet the requirements of Conditions V.E.1.a above through V.E.1.c above shall be operated with no visible emissions, as determined by Method 22 in Appendix A of 40 CFR Part 60, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours with an observation period of 2 hours.	Direct Measurement & Record Review	Y	C	
V.E.1.j	Restrictions	§2103.12.h.6; §63.304(b)(2)	The permittee shall not cause to be discharged or allow to be discharged to the atmosphere coke oven emissions that exceed any of the following emission limitations:	Administrative Requirement	Y	C	
V.E.1.j.1	Restrictions		3.3 percent leaking coke oven doors as determined by the procedures in Condition V.E.3.d.1) below;	Direct Measurement & Record Review	Y	C	
V.E.1.j.2	Restrictions		0.4 percent leaking topside port lids, as determined by the procedures in Condition V.E.3.d.1) below;	Direct Measurement & Record Review	Y	C	
V.E.1.j.3	Restrictions		2.5 percent leaking offtake system(s), as determined by the procedures in Condition V.E.3.d.1) below; and	Direct Measurement & Record Review	Y	C	
V.E.1.j.4	Restrictions		12 seconds of visible emissions per charge, as determined by the procedures in V.E.3.d.2) below.	Direct Measurement & Record Review	Y	C	
V.E.1.k	Restrictions	§2103.12.h.6; §63.306(c)(1)(i)	The permittee shall implement the provisions of the work practice plan, required in Condition IV.27 above following the second independent exceedance of the visible emission limitation for the emission point in any consecutive 6-month period, by no later than 3 days after receipt of written notification of the second such exceedance from the certified observer.	Process Knowledge/ Record Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.E.1.l	Restrictions	§2105.21.a.2	The permittee shall not operate, or allow to be operated any No. 19 Battery coke ovens in such manner that the aggregate of visible charging emissions exceeds a total of 75 seconds during any four (4) consecutive charges on such battery.	Direct Measurement & Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.E.1.m	Restrictions	§2105.21.a.1	The permittee shall not operate, or allow to be operated Coke Oven Battery No. 20 in such manner that the aggregate of visible charging emissions exceeds a total of 55 seconds during any five (5) consecutive charges.	Direct Measurement & Record Review	Y	C	
V.E.1.n	Restrictions	§2105.21.b.4	The permittee shall not operate, or allow to be operated Coke Oven Batteries 19 or 20 in such manner that emissions from the door areas of any coke oven exceed an opacity of 40% at any time 15 or more minutes after such oven has been charged.	Direct Measurement & Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.E.1.o	Restrictions	§2105.21.b.3.A, B & C	The permittee shall not operate, or allow to be operated Coke Oven Battery No. 19 in such manner that, at any time, there are visible emissions from more than eight percent (8%) of the door areas of the operating coke ovens in such battery, excluding the two door areas of the last oven charged and any door areas obstructed from view.	Direct Measurement & Record Review	Y	C	
V.E.1.p	Restrictions	§2105.21.b.1	The permittee shall not operate, or allow to be operated Coke Oven Battery No. 20 in such manner that, at any time, there are visible emissions from more than five percent (5%) of the door areas of the operating coke ovens in such battery, excluding the two door areas of the last oven charged and any door areas obstructed from view.	Direct Measurement & Record Review	Y	C	
V.E.1.q	Restrictions	§2105.21.c.2	The permittee shall not operate, or allow to be operated Coke Oven Battery No. 19 in such manner that, at any time, there are visible emissions from more than two percent (2%) of the charging ports or charging port seals on the operating coke ovens of such battery.	Direct Measurement & Record Review	Y	C	
V.E.1.r	Restrictions	§2105.21.c.1	The permittee shall not operate, or allow to be operated Coke Oven Battery No. 20 in such manner that, at any time, there are visible emissions from more than one percent (1%) of the charging ports or charging port seals on the operating coke ovens of such battery.	Direct Measurement & Record Review	Y	C	
V.E.1.s	Restrictions	§2105.21.d.2	The permittee shall not operate, or allow to be operated Coke Oven Battery No. 19 in such manner that, at any time, there are visible emissions from more than five percent (5%) of the offtake piping on the operating coke ovens of such battery.	Direct Measurement & Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.

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Title V Citation	,ory	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
V.E.1.t	Restrictions	§2105.21.d.1	The permittee shall not operate, or allow to be operated Coke Oven Battery No. 20 in such manner that, at any time, there are visible emissions from more than four percent (4%) of the offtake piping on the operating coke ovens of such battery.	Direct Measurement & Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.E.1.u	Restrictions	§2105.21.e.5	The permittee shall not operate, or allow to be operated Coke Oven Batteries 19 or 20 in such manner that visible emissions from the transport of hot coke in the open atmosphere exceed ten percent (10%) opacity at any time.	Direct Measurement & Record Review	Y	I	USS is certifying intermittent compliance primarily because of the performance at the beginning of the reporting period. Performance improved at the end of the reporting period. USS continues to evaluate.
V.E.1.v	Restrictions	§2103.12.i; §2103.12.h.6; Enforcement Order No. 161, July 23, 1990	The permittee shall install, operate, maintain and calibrate a continuous opacity monitoring system on the combustion stack serving Coke Oven Battery 20.	Process Knowledge & Record Review	Y	C	
V.E.1.w	Restrictions	§2105.21.f.2	The permittee shall not operate, or allow to be operated, Coke Oven Battery No. 19 in such manner that, at any time, emissions from the combustion stack serving such battery exceed a particulate concentration of 0.030 grains per dry standard cubic foot.	Direct Measurement	Y	C	
V.E.1.x	Restrictions	§2105.21.f.1	The permittee shall not operate, or allow to be operated, Coke Oven Battery No. 20 in such manner that, at any time, emissions from the combustion stack serving such battery exceed a particulate concentration of 0.0015 grains per dry standard cubic foot.	Direct Measurement	Y	C	
V.E.1.y	Restrictions	§2105.21.f.3 & 4	The permittee shall not operate, or allow to be operated, Coke Oven Batteries 19 or 20 in such manner that, at any time, emissions from the combustion stack serving each battery equal or exceed an opacity of 20% for a period or periods aggregating in excess of three (3) minutes in any 60 minute period; or equal or exceed an opacity of 60% at any time.	Direct Measurement & Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.E.1.z	Restrictions	§2103.12.h.6; §63.7296(a) and (b)	The permittee shall not discharge to the atmosphere any emissions from any battery stack that exhibit an opacity greater than the following applicable limits:	Administrative	Y	C	
V.E.1.z.1	Restrictions		Daily average of 15 percent opacity for a battery on a normal coking cycle.	Direct Measurement & Record Review	Y	C	
V.E.1.z.2	Restrictions		Daily average of 20 percent opacity for a battery on batterywide extended coking.	Direct Measurement & Record Review	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type C/I	Comments
V.E.1.aa	Restrictions	§2103.12.h.6; §63.7326(d)	The permittee shall submit a notification of compliance status containing the results of the COMS performance test for battery stacks before the close of business on the 30th calendar days following the completion of the compliance demonstration. For each particulate matter emission limitation that applies to you, the permittee shall submit a notification of compliance status containing the results of the performance test before the close of business on the 60th calendar days following completion of the performance test according to §63.10(d)(2).	Record Review			
V.E.1.bb	Restrictions	§2105.21.f.2, §2105.21.h.4 and §2103.12.a.2.B	Emissions from Coke Battery No.19 combustion stack shall not exceed the emission limitations in V-E-1.	Administrative Requirement	Y	C	
V.E.1.bb	Restrictions		**POLLUTANT HOURLY LIMIT (lb/hr) ANNUAL LIMIT (ton/yr)**				
V.E.1.bb	Restrictions		PM 25.2 110.2		Y	C	
V.E.1.bb	Restrictions		PM-10 25.2 110.2		Y	C	
V.E.1.bb	Restrictions		PM 2.5 25.2 110.2		Y	C	
V.E.1.bb	Restrictions		SO2 61.5 269.52		Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.E.1.bb	Restrictions		A year is defined as any consecutive 12-month period.				
V.E.1.cc	Restrictions	§2105.21.f.1, §2105.21.h.4 and §2103.12.a.2.B	Emissions from Coke Battery No.20 combustion stack shall not exceed the emission limitations in Table V-G-2.	Administrative Requirement			
V.E.1.cc	Restrictions		**POLLUTANT HOURLY LIMIT (lb/hr) ANNUAL LIMIT (ton/yr)**				
V.E.1.cc	Restrictions		PM 13.4		Y	C	
V.E.1.cc	Restrictions		PM-10 13.4		Y	C	
V.E.1.cc	Restrictions		PM 2.5 13.4		Y	C	
V.E.1.cc	Restrictions		SO2 61.5 269.52		Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.E.1.cc	Restrictions		A year is defined as any consecutive 12-month period.				

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Title V Citation	C ory	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
V.E.2.a	Testing	§2108.02.b, §2108.02.e and Second Consent Decree, 6/24/1993	The permittee shall have PM, PM2.5, and PM10 emissions stack tests performed on the combustion stacks of Coke Battery 19 at least once every two (2) and Battery 20 at least once every four (4) years to demonstrate compliance with the mass emission standard in V.E.1.w and V.E.1.x above. Particulate emission tests shall be conducted according to the methodology specified in 40 CFR 60, Appendix A, Methods 1 through 5, 201A and 202 (or other method specified). The permittee shall submit a stack test protocol to the Department at least 45 days prior to the test dates. During each stack test performed, simultaneous visible emission evaluations shall be conducted according to the methodology specified in 40 CFR 60, Appendix A, Method 9, except for the provisions of Section 2.5 of Method 9.	Record Review	Y	C	
V.E.2.b	Testing	§2108.02.b	The permittee shall have sulfur dioxide (SO2) emissions stack tests performed on the combustion stacks of Coke Batteries 19 and 20 at least once every two years to demonstrate compliance with the mass emission limitations for each combustion stack in Conditions V.E.1.bb and V.E.1.cc above, respectively.. SO2 emission tests shall be conducted according to Method 6, 6A, 6B, or 6C specified in 40 CFR 60, Appendix A. The permittee shall submit a stack test protocol to the Department at least 45 days prior to the test dates.	Record Review	Y	C	
V.E.2.c	Testing	§2103.12.h.1; §2108.02.b, §2108.02.e	The permittee shall perform emissions testing and evaluations for NOX on each combustion stack of Coke Batteries 19 and 20 to develop emission factors that can be applied to quantify NOx emissions. This evaluation shall include stack testing, an analysis of B Battery CEM data, and an evaluation of gas combustion and operating variables that affect NOx. Testing for NOx shall be conducted at least once every two years in accordance with approved EPA Methods in Appendix A of 40 CFR Part 60, Article XXI §2108.02, and as approved by the Department. Report of the stack testing results shall be submitted to the Department within 90 days of the date of the stack test. The evaluation report shall be made available to the Department upon request and at permit renewal.	Record Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.E.2.d	Testing	§2103.12.h.1; §2108.02.b, §2108.02.e.	The permittee shall perform emissions testing and evaluations for CO and VOC on each combustion stack of Coke Batteries 19 and 20 to develop emission factors that can be applied to quantify CO & VOC emissions. Testing for CO and VOC shall be conducted in accordance with approved EPA Methods in Appendix A of 40 CFR Part 60, Article XXI §2108.02, and as approved by the Department. Reports of the stack testing results shall be submitted to the Department within 90 days of the date of the stack test. The evaluation report shall be made available to the Department upon request and at permit renewal.	Record Review	Y	C	
V.E.2.e	Testing	§2103.12.h.1	The Department reserves the right to require additional emissions testing sufficient to assure compliance with the terms and conditions of this permit. Such testing shall be performed in accordance with Site Level Condition IV.13 above and Article XXI §2108.02.	Administrative Requirement	Y	C	
V.E.3.a	Monitoring	§2103.12.i; §2103.12.h.6; §63.308	The permittee shall:	Administrative Requirement	Y	C	
V.E.3.a.1	Monitoring	§2103.12.i; §2103.12.h.6; §63.308(a)	Inspect the collecting main for leaks at least once daily according to the procedures in Method 303 in 40 CFR Part 63, Appendix A	Record Review	Y	C	
V.E.3.a.2	Monitoring	§2103.12.i; §2103.12.h.6; §63.308(b)	Record the time and date a leak in the collecting main is first observed, the time and date the leak is temporarily sealed, and the time and date of repair	Record Review	Y	C	
V.E.3.a.3	Monitoring	§2103.12.i; §2103.12.h.6; §63.308©	Temporarily seal any leak in the collecting main as soon as possible after detection, but no later than 4 hours after detection of the leak; and	Record Review	Y	C	
V.E.3.a.4	Monitoring	§2103.12.i; §2103.12.h.6; §63.308(d)	Initiate a collecting main repair as expeditiously as possible, but no later than 5 calendar days after initial detection of the leak. The repair shall be completed within 15 calendar days after initial detection of the leak unless an alternative schedule is approved by the Department.	Record Review	Y	C	
V.E.3.b	Monitoring	§2103.12.i; §2103.12.h.6; §63.309(a)	Except as otherwise provided, a daily performance test shall be conducted each day, 7 days per week for each coke oven battery, the results of which shall be used in accordance with procedures in Condition V.E.3.c below through V.E.3.f below to determine compliance with each of the applicable visible emission limitations for coke oven doors, topside port lids, offtake systems, and charging operations.	Record Review	Y	C	
V.E.3.b.1	Monitoring		Each performance test is to be conducted according to the procedures and requirements in Method 303 in Appendix A to 40 CFR Part 63 or Methods 9 and 22 in Appendix A to 40 CFR Part 60 (where applicable).	Record Review	Y	C	

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Title V Citation	C. ry	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.E.3.b.2	Monitoring		Each performance test is to be conducted by a certified observer.	Record Review	Y	C	
V.E.3.b.3	Monitoring		The certified observer shall complete any reasonable safety training program offered by the permittee prior to conducting any performance test at a coke oven battery.	Administrative Requirement	Y	C	
V.E.3.b.4	Monitoring		Except as otherwise provided in §63.309(a)(5), the permittee shall pay an inspection fee to the Department each calendar quarter, as specified in §63.309(a)(4), to defray the costs of the daily performance tests required in Condition V.E.3.b above.	Record Review	Y	C	
V.E.3.b.5	Monitoring		If a facility pushes and charges only at night, then that facility must, at its option, change their schedule and charge during daylight hours or provide adequate lighting so that visible emission inspections can be made at night. "Adequate lighting" shall be determined by the Department.	Record Review	Y	C	
V.E.3.c	Monitoring	§2103.12.i; §2103.12.h.6; §63.309(c)	The certified observer shall conduct each performance test according to the following requirements:	Administrative Requirement	Y	C	
V.E.3.c.1	Monitoring		The certified observer shall conduct one run each day to observe and record visible emissions from each coke oven door, topside port lid, and offtake system on each coke oven battery. The certified observer also shall conduct five runs to observe and record the seconds of visible emissions per charge for five consecutive charges from each coke oven battery. The observer may perform additional runs as needed to obtain and record a visible emissions value (or set of values) for an emission point that is valid under Method 303 in Appendix A to 40 CFR Part 63. Observations from fewer than five consecutive charges shall constitute a valid set of charging observations only in accordance with the procedures and conditions specified in Sections 3.8 and 3.9 of Method 303 in Appendix A of 40 CFR 63.	Record Review	Y	C	
V.E.3.c.2	Monitoring		If a valid visible emissions value (or set of values) is not obtained for a performance test, there is no compliance determination for that day. Compliance determinations will resume on the next day that a valid visible emissions value (or set of values) is obtained.	Record Review	Y	C	
V.E.3.c.3	Monitoring		After each performance test, the certified observer shall check and record the collecting main pressure according to the procedures in Section 6.3 of Method 303 in Appendix A of 40 CFR 63.	Record Review	Y	C	
V.E.3.c.3.a	Monitoring		The permittee shall demonstrate pursuant to Method 303 in Appendix A of 40 CFR 63 the accuracy of the pressure measurement device upon request of the certified observer;	Record Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.E.3.c.3.b	Monitoring		The permittee shall not adjust the pressure to a level below the range of normal operation during or prior to the inspection;	Record Review	Y	C	
V.E.3.c.3.c	Monitoring		In no case shall the permittee knowingly block a coke oven door, or any portion of a door for the purpose of concealing emissions or preventing observations by the certified observer.	Physical Inspection	Y	C	
V.E.3.d	Monitoring	§2103.12.i; §2103.12.h.6; §63.309(d)	Using the observations obtained from each performance test, the Department shall compute and record, in accordance with the procedures and requirements of Method 303 in Appendix A of 40 CFR 63 to this part, for each day of operations on which a valid emissions value (or set of values) is obtained:	Record Review	Y	C	
V.E.3.d.1	Monitoring		The 30-run rolling average of the percent leaking coke oven doors, topside port lids, and offtake systems on each coke oven battery, using the equations in sections 4.5.3.2, 5.6.5.2, and 5.6.6.2 of Method 303 in Appendix A;	Record Review	Y	C	
V.E.3.d.2	Monitoring		For by-product coke oven battery charging operations, the logarithmic 30-day rolling average of the seconds of visible emissions per charge for each battery, using the equation in section 3.9 of Method 303 in Appendix A;	Record Review	Y	C	
V.E.3.e	Monitoring	§2103.12.i; §2103.12.h.6; §63.309(e)	The certified observer shall make available to the Department as well as to the permittee, a copy of the daily inspection results by the end of the day and shall make available the calculated rolling average for each emission point to the permittee as soon as practicable following each performance test. The information provided by the certified observer is not a compliance determination. For the purpose of notifying the permittee of the results obtained by a certified observer, the person does not have to be certified.	Record Review	Y	C	
V.E.3.f	Monitoring	§2103.12.i; §2103.12.h.6; §63.309(f)	Compliance shall not be determined more often than the schedule provided for performance tests in Condition V.E.3.b above. If additional valid emissions observations are obtained (or in the case of charging, valid sets of emission observations), the arithmetic average of all valid values (or valid sets of values) obtained during the day shall not be used in any computations performed to determine compliance under Condition V.E.3.d above or determinations under Conditions IV.27 above.	Record Review	Y	C	
V.E.3.g	Monitoring	§2103.12.i; §2103.12.h.6; §63.309(h)	For a flare installed to meet the requirements of Condition V.E.1.d and V.E.1.e above:	Administrative Requirement	Y	C	
V.E.3.g.1	Monitoring		Compliance with the provisions in Condition V.E.1.i above (visible emissions from flares) shall be determined using Method 22 in Appendix A to 40 CFR Part 60, with an observation period of 2 hours; and	Record Review	Y	C	

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Title V Citation	C ry	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.E.3.g.2	Monitoring		Compliance with the provisions in Condition V.E.1.e above (flare pilot light) shall be determined using a thermocouple or any other equivalent device.	Process Knowledge and Record Review	Y	C	
V.E.3.h	Monitoring	§2103.12.i; §2103.12.h.6; §63.309(i)	No observations obtained during any program for training or for certifying observers under 40 CFR 63, Subpart L shall be used to determine compliance with the requirements of Subpart L or any other federally enforceable standard.	Administrative Requirement	Y	C	
V.E.3.i	Monitoring	§2103.12.i; §2103.12.h.6; §63.7300(b)	The permittee shall prepare and operate at all times according to a written operation and maintenance plan for the general operation and maintenance of all coke oven batteries. Each plan must address, at a minimum, the following elements:	Record Review	Y	C	
V.E.3.i.1	Monitoring		Frequency and method of recording underfiring gas parameters.	Record Review	Y	C	
V.E.3.i.2	Monitoring		Frequency and method of recording battery operating temperature, including measurement of individual flue and cross-wall temperatures.	Record Review	Y	C	
V.E.3.i.3	Monitoring		Procedures to prevent pushing an oven before it is fully coked.	Record Review	Y	C	
V.E.3.i.4	Monitoring		Procedures to prevent overcharging and undercharging of ovens, including measurement of coal moisture, coal bulk density, and procedures for determining volume of coal charged.	Record Review	Y	C	
V.E.3.i.5	Monitoring		Frequency and procedures for inspecting flues, burners, and nozzles.	Record Review	Y	C	
V.E.3.i.6	Monitoring		Schedule and procedures for the daily washing of baffles	Record Review	Y	C	
V.E.3.j	Monitoring	§2103.12.i; §2103.12.h.6; §63.7330(e)	The permittee shall monitor at all times the opacity of emissions exiting each coke oven battery stack using a COMS according to the requirements in V.D.3.m or §63.7331(j).	Record Review	Y	C	
V.E.3.k	Monitoring	§2103.12.i; §2103.12.h.6; §63.7331©	The permittee shall conduct a performance evaluation of each CPMS in accordance with your site-specific monitoring plan.	Record Review	Y	C	
V.E.3.l	Monitoring	§2103.12.i; §2103.12.h.6; §63.7331(d)	The permittee shall operate and maintain each CPMS in continuous operation according to the site-specific monitoring plan.	Record Review	Y	C	
V.E.3.m	Monitoring	§2103.12.i; §2103.12.h.6; §63.7331(j)	For each coke oven battery, the permittee shall install, operate, and maintain a COMS to measure and record the opacity of emissions exiting each stack according to the requirements in Conditions V.E.3.m.1) through V.E.3.m.5) below:	Record Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.E.3.m.1	Monitoring		Install, operate, and maintain each COMS according to the requirements in §63.8(c) and Performance Specification 1 in 40 CFR Part 60, Appendix B. Identify periods when the COMS is out-of-control, including any periods that the COMS fails to pass a daily calibration drift assessment, quarterly performance audit, or annual zero alignment audit.	Record Review	Y	C	
V.E.3.m.2	Monitoring		Conduct a performance evaluation of each COMS according to the requirements in §63.8 and Performance Specification 1 in Appendix B to 40 CFR Part 60;	Record Review	Y	C	
V.E.3.m.3	Monitoring		Develop and implement a quality control program for operating and maintaining each COMS according to the requirements in §63.8(d). At minimum, the quality control program must include a daily calibration drift assessment, quarterly performance audit, and an annual zero alignment audit of each COMS;	Record Review	Y	C	
V.E.3.m.4	Monitoring		Each COMS must complete a minimum of one cycle of sampling and analyzing for each successive 10-second period and one cycle of data recording for each successive 6-minute period. You must reduce the COMS data as specified in §63.8(g)(2).	Record Review	Y	C	
V.E.3.m.5	Monitoring		Determine and record the hourly and daily (24-hour) average opacity according to the procedures in §63.7324(b) using all the 6-minute averages collected for periods during which the COMS is not out-of-control.	Record Review	Y	C	
V.E.3.n	Monitoring	§2103.12.i; §2103.12.h.6; §63.7332(a)	Except for monitor malfunctions, associated repairs, and required quality assurance or control activities (including as applicable, calibration checks and required zero and span adjustments), the permittee shall monitor continuously (or collect data at all required intervals) at all times the affected source is operating.	Record Review	Y	C	
V.E.3.o	Monitoring	§2103.12.i; §2103.12.h.6; §63.7332(b)	The permittee shall not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities in data averages and calculations used to report emission or operating levels, or in fulfilling a minimum data availability requirement, if applicable. The permittee shall use all the data collected during all other periods in assessing compliance. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitor to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.	Record Review	Y	C	

Title V Citation	gory	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.E.3.p	Monitoring	§2103.12.i; §2103.12.h.6; §63.7333(c)	The permittee shall demonstrate continuous compliance for each by-product coke oven battery subject to the opacity limit for stacks in Condition V.E.1.z above by meeting the requirements in Conditions V.E.3.p.1) through V.E.3.p.2) below:	Administrative Requirement	Y	C	
V.E.3.p.1	Monitoring		Maintaining the daily average opacity at or below 15 percent for a battery on a normal coking cycle or 20 percent for a battery on batterywide extended coking; and	Record Review	Y	C	
V.E.3.p.2	Monitoring		Operating and maintaining a COMS and collecting and reducing the COMS data according to Condition V.E.3.m above.	Record Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.E.4.a	Record Keeping	§2103.12.j; §2103.12.h.6; §63.311(f)	The permittee shall maintain files of all required information in a permanent form suitable for inspection at an onsite location for at least 1 year and must thereafter be accessible within 3 working days to the Department for a period of five years. Copies of the work practice plan developed under Condition IV.27 above and the startup, shutdown, and malfunction plan developed under Conditions V.E.6.c through V.E.6.d below shall be kept onsite at all times. The permittee shall maintain the following information:	Administrative Requirement	Y	C	
V.E.4.a.1	Record Keeping		A copy of the work practice plan required by Condition IV.27 above and any revision to the plan;	Record Review	Y	C	
V.E.4.a.2	Record Keeping		If the permittee is required under Condition V.E.6.b to implement the provisions of a work practice plan for a particular emission point, the following records regarding the implementation of plan requirements for that emission point during the implementation period:	Record Review	Y	C	
V.E.4.a.2.a	Record Keeping		Copies of all written and audiovisual materials used in the training, the dates of each class, the names of the participants in each class, and documentation that all appropriate personnel have successfully completed the training required under Condition IV.27.b.1) above;	Record Review	Y	C	
V.E.4.a.2.b	Record Keeping		The records required to be maintained by the plan provisions implementing Condition IV.27.b.6) above;	Record Review	Y	C	
V.E.4.a.2.c	Record Keeping		Records resulting from audits of the effectiveness of the work practice program for the particular emission point, as required in Conditions IV.27.b.2)a), IV.27.b.3)a), IV.27.b.4)a) or IV.27.b.5)a) above; and	Record Review	Y	C	
V.E.4.a.2.d	Record Keeping		If the plan provisions for coke oven doors must be implemented, records of the inventory of doors and jambs as required under Condition IV.27.b.2)f) above; and	Record Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.E.4.a.3	Record Keeping		The design drawings and engineering specifications for the bypass/bleeder stack flare system or approved alternative control device or system as required under Conditions V.E.1.a through V.E.1.e above.	Record Review	Y	C	
V.E.4.a.4	Record Keeping		Records specified in Condition V.E.6.g below regarding the basis of each malfunction notification.	Record Review	Y	C	
V.E.4.b	Record Keeping	§2103.12.j; §2103.12.h.6; §63.7342(a)	The permittee shall keep the following records: [§2103.12.j; §2103.12.h.6; §63.7342(a)]	Administrative Requirement	Y	C	
V.E.4.b.1	Record Keeping		A copy of each notification and report that was submitted to comply with this subpart, including all documentation supporting any initial notification or notification of compliance status that you submitted, according to the requirements in §63.10(b)(2)(xiv).	Record Review	Y	C	
V.E.4.b.2	Record Keeping		The records in §63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction.	Record Review	Y	C	
V.E.4.b.3	Record Keeping		Records of performance tests, performance evaluations, and opacity observations as required in §63.10(b)(2)(viii).	Record Review	Y	C	
V.E.4.c	Record Keeping	§2103.12.j; §2103.12.h.6; §63.7342(b)	For each COMS or CEMS, the permittee shall keep the following records. [§2103.12.j; §2103.12.h.6; §63.7342(b)]	Administrative Requirement	Y	C	
V.E.4.c.1	Record Keeping		Records described in §63.10(b)(2)(vi) through (xi).	Record Review	Y	C	
V.E.4.c.2	Record Keeping		Monitoring data for COMS during a performance evaluation as required in §63.6(h)(7)(i) and (ii).	Record Review	Y	C	
V.E.4.c.3	Record Keeping		Previous (that is, superceded) versions of the performance evaluation plan as required in §63.8(d)(3).	Record Review	Y	C	
V.E.4.c.4	Record Keeping		Records of the date and time that each deviation started and stopped, and whether the deviation occurred during a period of startup, shutdown, or malfunction or during another period.	Record Review	Y	C	
V.E.4.d	Record Keeping	§2103.12.j; §2103.12.h.6; §63.7342©	The permittee shall keep the records in §63.6(h)(6) for visual observations.	Record Review	Y	C	
V.E.4.e	Record Keeping	§2103.12.j; §2103.12.h.6; §63.7343(b)	As specified in §63.10(b)(1), the permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.	Record Review	Y	C	
V.E.4.f	Record Keeping	§2103.12.j; §2103.12.h.6; §63.7343(c)	The permittee shall keep each record on site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1). You can keep the records offsite for the remaining 3 years.	Record Review	Y	C	

Title V Citation	C ry	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.E.4.g	Record Keeping	§2103.12.j; 63.7335(a)	For each by-product coke oven battery, the permittee must demonstrate continuous compliance with the operation and maintenance requirements in V.E.3.i above by adhering at all times to the plan requirements and recording all information needed to document conformance.	Record Review	Y	C	
V.E.4.h	Record Keeping	§2103.12.j; 63.7335(d)	The permittee shall maintain a current copy of the operation and maintenance plans required in §63.7300(b) and (c) onsite and available for inspection upon request. The plans shall be kept for the life of the affected source or until the affected source is no longer subject to the requirements of 40 CFR Part 63, Subpart CCCCC.	Record Review	Y	C	
V.E.4.i	Record Keeping	§2103.12.j; §2103.12.h.6; §63.7334(d)	The permittee must demonstrate continuous compliance to the work practice standard for soaking in V.E 6.k below, by maintaining records that document conformance with requirements in V.E.6.k.1) through V.E.6.k.5) below.	Record Review	Y	C	
V.E.5.a	Reporting	§2103.12.k; §2109.03 and Enforcement Order 202.E, 3/28/90	No later than twenty (20) days after the end of each month, a written report of a summary of the following during each such month shall be submitted to the Department:	Record Review	Y	C	
V.E.5.a.1	Reporting		For all coke batteries combined, the daily average for the month of:	Record Review	Y	C	
V.E.5.a.1.a	Reporting		Coal charged, in tons;	Record Review	Y	C	
V.E.5.a.1.b	Reporting		Coke produced, in tons;	Record Review	Y	C	
V.E.5.a.1.c	Reporting		Total coke oven gas produced; in MMCF;	Record Review	Y	C	
V.E.5.a.1.d	Reporting		Quench water used, in gallons;	Record Review	Y	C	
V.E.5.a.1.e	Reporting		Elemental sulfur produced, in tons;	Record Review	Y	C	
V.E.5.a.1.	Reporting		Sulfur content of coal, in percent; and	Record Review	Y	C	
V.E.5.a.1.g	Reporting		Sulfur content of coke, in percent.	Record Review	Y	C	
V.E.5.a.2	Reporting		For all periods during which contaminated quench water was used:	Administrative Requirement	Y	C	
V.E.5.a.2.a	Reporting		The batteries affected;	Record Review	Y	C	
V.E.5.a.2.b	Reporting		The starting and ending dates and times;	Record Review	Y	C	
V.E.5.a.2.c	Reporting		The total time of each period, and total for the month, to the nearest tenth of an hour;	Record Review	Y	C	
V.E.5.a.2.d	Reporting		The corresponding Department Breakdown Number;	Record Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.E.5.a.2.e	Reporting		The average flow rates of contaminated water to both the quench towers and the water treatment plant during the period, each in gallons per minute; and	Record Review	Y	C	
V.E.5.a.2.	Reporting		The reason(s) or cause(s) for each period.	Record Review	Y	C	
V.E.5.b	Reporting	§2103.12.k; Enforcement Order No. 161, July 23, 1990	No later than twenty (20) days after the end of each month, a written report of a summary of the following for Coke Battery No. 20 combustion stack continuous opacity monitoring system, during each such month shall be submitted to the Department:	Record Review	Y	C	
V.E.5.b.1	Reporting		The monthly average percent availability (on-line time), based on total minutes of coke operations and total minutes available;	Record Review	Y	C	
V.E.5.b.2	Reporting		The daily percentage available;	Record Review	Y	C	
V.E.5.b.3	Reporting		The number of days on which there was less than 100% availability;	Record Review	Y	C	
V.E.5.b.4	Reporting		For each of the coke oven combustion stack visible emission standards set forth in §2105.21.f.3 & f.4, the total number of hours for the month, and the number of hours each day, during which an exceedance of such standard was measured by such continuous opacity monitor;	Record Review	Y	C	
V.E.5.b.5	Reporting		The number and nature of tests, calibrations, and any other quality assurance activities performed; and	Record Review	Y	C	
V.E.5.b.6	Reporting		The dates, times and results of all such activities.	Record Review	Y	C	
V.E.5.c	Reporting	§2103.12.k; §2103.12.h.6; §63.311(d)	The permittee shall include the following information in the semiannual compliance certification:	Administrative Requirement	Y	C	
V.E.5.c.1	Reporting		Certification, signed by the permittee, that no coke oven gas was vented, except through the bypass/bleeder stack flare system during the reporting period or that a venting report has been submitted according to the requirements in Condition V.E.5.e below.	Record Review	Y	C	
V.E.5.c.2	Reporting		Certification, signed by the permittee, that a startup, shutdown, or malfunction event did not occur for a coke oven battery during the reporting period or that a startup, shutdown, and malfunction event did occur and a report was submitted according to the requirements in Condition V.E.6.f below; and	Record Review	Y	C	
V.E.5.c.3	Reporting		Certification, signed by the permittee, that work practices were implemented if applicable under Condition IV.27 above.	Record Review	Y	C	

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Title V Citation	(ary	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.E.5.d	Reporting	§2103.12.k; §2103.12.h.6; §63.311(e)	The permittee shall report any venting of coke oven gas through a bypass/bleeder stack that was not vented through the bypass/bleeder stack flare system to the Department as soon as practicable but no later than 24 hours after the beginning of the event. A written report shall be submitted within 30 days of the event and shall include a description of the event and, if applicable, a copy of the notification for a hazardous substance release required pursuant to 40 CFR §302.6 as set forth in battery NESHAP.	Record Review	Y	C	
V.E.5.e	Reporting	§2103.12.k; §2103.12.h.6; §63.310(d)	In order for the provisions of §63.310(i) to apply with respect to the observation (or set of observations) for a particular day, notification of a startup, shutdown, or a malfunction shall be made by the permittee as follows:	Record Review	Y	C	
V.E.5.e.1	Reporting		If practicable, to the certified observer if the observer is at the facility during the occurrence; or	Record Review	Y	C	
V.E.5.e.2	Reporting		To the Department, in writing, within 24 hours of the occurrence first being documented by a company employee, and if the notification was not made, an explanation of why no such notification was made.	Record Review	Y	C	
V.E.5.f	Reporting	§2103.12.k; §2103.12.h.6; §63.310(e)	Within 14 days of the notification startup, shutdown, or a malfunction, the permittee shall submit a written report to the Department that:	Record Review	Y	C	
V.E.5.f.1	Reporting		Describes the time and circumstances of the startup, shutdown, or malfunction; and	Record Review	Y	C	
V.E.5.f.2	Reporting		Describes actions taken that might be considered inconsistent with the startup, shutdown, or malfunction plan.	Record Review	Y	C	
V.E.5.g	Reporting	§2103.12.k; Enforcement Order, 3/17/2008, Condition V.a.1	The permittee shall submit a written quarterly report within thirty (30) days after the close of each calendar quarter to the Department. The quarterly reports shall contain, at minimum the list of every clock hour in the calendar quarter that compliance is not achieved for Article XXI opacity limits applicable to Batteries 19 & 20 combustion stacks as measured by the combustion stacks continuous opacity monitor (COM). U.S. Steel shall indicate the date, time, root cause, and ovens that are believed to have contributed to the exceedance.	Record Review	Y	C	
V.E.5.h	Reporting	§2103.12.k; Consent Order and Agreement (COA), Third Amendment, July 6, 2011, Condition V.a.2-4	The permittee shall submit a written quarterly report within thirty (30) days after the close of each calendar quarter to the Department. The quarterly reports shall contain, at minimum, the following:	Record Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.E.5.h.1	Reporting		A list of heating walls that have been replaced and put back into service along with the corresponding completion and startup dates;	Record Review	Y	C	
V.E.5.h.2	Reporting		A list of heating walls currently out of service for replacement;	Record Review	Y	C	
V.E.5.h.3	Reporting		A list of heating walls planned to be taken out of service for replacement during the subsequent quarter.	Record Review	Y	C	
V.E.5.i	Reporting	§2103.12.k; Consent Order and Agreement (COA), Third Amendment, July 6, 2011, Condition V.a.8	The permittee shall submit to the Department a Semi-Annual Deviation Reports for all deviations from Article XXI §2105.21(e)(4) and (e)(5) for Batteries 19 & 20.	Record Review	Y	C	
V.E.5.j	Reporting	§2103.12.k; §2103.12.h.6; §63.7336(a)	The permittee shall report each instance in which each emission limitation in Conditions V.E.1.z and V.E.1.aa was not met. This includes periods of startup, shutdown, and malfunction. The permittee shall also report each instance in which the permittee did not meet each work practice standard or operation and maintenance requirement in Conditions V.E.6.k, V.E.6.l and V.E.6.m.These instances are deviations from the emission limitations (including operating limits), work practice standards, and operation and maintenance requirements of 40 CFR Part 63, Subpart CCCCC. These deviations must be reported according to the requirements in V.E.5.n through V.E.5.r below.	Record Review	Y	C	
V.E.5.k	Reporting	§2103.12.k; §2103.12.h.6; §63.7336(b)	During periods of startup, shutdown, and malfunction, you must operate in accordance with your startup, shutdown, and malfunction plan.	Record Review	Y	C	
V.E.5.k.1	Reporting		Consistent with §63.6(e) and 63.7(e)(1), deviations that occur during a period of startup, shutdown, or malfunction are not violations if you demonstrate to the Department's satisfaction that you were operating in accordance with the startup, shutdown, and malfunction plan.	Record Review	Y	C	
V.E.5.k.2	Reporting		The Department will determine whether deviations that occur during a period of startup, shutdown, or malfunction are violations, according to the provisions in §63.6(e).	Record Review	Y	C	
V.E.5.l	Reporting	§2103.12.k; §2103.12.h.6; §63.7340(a)	The permittee shall submit all of the notifications in §63.6(h)(4) and (5), 63.7(b) and (c), 63.8(e) and (f)(4), and 63.9(b) through (h) that apply to you by the specified dates.	Record Review	Y	C	

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Title V Citation	C ry	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
V.E.5.m	Reporting	§2103.12.k; §2103.12.h.6; §63.7340(d)	If you are required to conduct a performance test, the permittee shall submit a notification of intent to conduct a performance test at least 60 calendar days before the performance test is scheduled to begin as required in §63.7(b)(1).	Record Review	Y	C	
V.E.5.n	Reporting	§2103.12.k; §2103.12.h.6; §63.7341(a)	Unless the Department has approved a different schedule, you must submit quarterly compliance reports for battery stacks and semiannual compliance reports for all other affected sources to your permitting authority according to the requirements in Conditions V.E.5.n.1) through V.E.5.n.3) below:	Record Review	Y	C	
V.E.5.n.1	Reporting		Each quarterly compliance report for battery stacks shall be submitted in accordance with General Condition III.15.e above.	Record Review	Y	C	
V.E.5.n.2	Reporting		All quarterly compliance reports for battery stacks must be postmarked or delivered no later than one calendar month following the end of the quarterly reporting period.	Record Review	Y	C	
V.E.5.o	Reporting	§2103.12.k; §2103.12.h.6; §63.7341(b)	Each quarterly report must provide information on compliance with the emission limitations for battery stacks in V.E.1.z above. The reports must include the information in Conditions V.E.5.p.1) through V.E.5.p.3) below, and as applicable, Condition V.E.5.p.4) through V.E.5.p.8) below.	Record Review	Y	C	
V.E.5.p	Reporting	§2103.12.k; §2103.12.h.6; §63.7341©	Each semiannual compliance report must provide information on compliance with the emission limitations, work practice standards, and operation and maintenance requirements for all affected sources except battery stacks. The reports must include the information in V.E.5.p.1) through V.E.5.p.3) below, and as applicable, Conditions V.E.5.p.4) through V.E.5.p.8) below.	Record Review	Y	C	
V.E.5.p.1	Reporting		Company name and address.	Record Review	Y	C	
V.E.5.p.2	Reporting		Statement by a responsible official, with the official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.	Record Review	Y	C	
V.E.5.p.3	Reporting		Date of report and beginning and ending dates of the reporting period.	Record Review	Y	C	
V.E.5.p.4	Reporting		If there was a startup, shutdown, or malfunction during the reporting period and the permittee took actions consistent with the startup, shutdown, and malfunction plan, the compliance report must include the information in §63.10(d)(5)(i).	Record Review	Y	C	
V.E.5.p.5	Reporting		If there were no deviations from the continuous compliance requirements in V.E.3.p above for battery stacks, a statement that there were no deviations from the emission limitations during the reporting period.	Record Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.E.5.p.6	Reporting		If there were no periods during which a continuous monitoring system (including COMS, continuous emission monitoring system (CEMS), or CPMS) was out-of-control as specified in §63.8(c)(7), a statement that there were no periods during which a continuous monitoring system was out-of-control during the reporting period.	Record Review	Y	C	
V.E.5.p.7	Reporting		For each deviation from an emission limitation in 40 CFR 63, Subpart CCCCC and for each deviation from the requirements for work practice standards in this 40 CFR Part 63, Subpart CCCCC that occurs at an affected source where the permittee is not using a continuous monitoring system (including a COMS, CEMS, or CPMS) to comply with the emission limitations in this subpart, the compliance report must contain the information in Conditions V.E.5.p.4), V.E.5.p.7)a) and V.E.5.p.7)b) below. This includes periods of startup, shutdown, and malfunction.	Record Review	Y	C	
V.E.5.p.7.a	Reporting		The total operating time of each affected source during the reporting period.	Record Review	Y	C	
V.E.5.p.7.b	Reporting		Information on the number, duration, and cause of deviations (including unknown cause, if applicable) as applicable and the corrective action taken.	Record Review	Y	C	
V.E.5.p.8	Reporting		For each deviation from an emission limitation occurring at an affected source where the permittee using a continuous monitoring system (including COMS, CEMS, or CPMS) to comply with the emission limitation 40 CFR 63, Subpart CCCCC, the permittee must include the information in Conditions V.E.5.p.4), V.E.5.p.8)a) through V.E.5.p.8)l) below. This includes periods of startup, shutdown, and malfunction.	Record Review	Y	C	
V.E.5.p.8.a	Reporting		The date and time that each malfunction started and stopped.	Record Review	Y	C	
V.E.5.p.8.b	Reporting		The date and time that each continuous monitoring system (including COMS, CEMS, or CPMS) was inoperative, except for zero (low-level) and high-level checks.	Record Review	Y	C	
V.E.5.p.8.c	Reporting		The date, time, and duration that each continuous monitoring system (including COMS, CEMS, or CPMS) was out-of-control, including the information in §63.8(c)(8).	Record Review	Y	C	
V.E.5.p.8.d	Reporting		The date and time that each deviation started and stopped, and whether each deviation occurred during a period of startup, shutdown, or malfunction or during another period.	Record Review	Y	C	

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Title V Citation	C y	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.E.5.p.8.e	Reporting		A summary of the total duration of the deviation during the reporting period and the total duration as a percent of the total source operating time during that reporting period.	Record Review	Y	C	
V.E.5.p.8.f	Reporting		A breakdown of the total duration of the deviations during the reporting period into those that are due to startup, shutdown, control equipment problems, process problems, other known causes, and other unknown causes.	Record Review	Y	C	
V.E.5.p.8.g	Reporting		A summary of the total duration of continuous monitoring system downtime during the reporting period and the total duration of continuous monitoring system downtime as a percent of the total source operating time during the reporting period.	Record Review	Y	C	
V.E.5.p.8.h	Reporting		An identification of each HAP that was monitored at the affected source.	Record Review	Y	C	
V.E.5.p.8.	Reporting		A brief description of the process units.	Record Review	Y	C	
V.E.5.p.8.	Reporting		A brief description of the continuous monitoring system.	Record Review	Y	C	
V.E.5.p.8.k	Reporting		The date of the latest continuous monitoring system certification or audit.	Record Review	Y	C	
V.E.5.p.8.l	Reporting		A description of any changes in continuous monitoring systems, processes, or controls since the last reporting period.	Record Review	Y	C	
V.E.5.q	Reporting	§2103.12.k; §2103.12.h.6; §63.7341(d)	If the permittee had a startup, shutdown, or malfunction during the semiannual reporting period that was not consistent with your startup, shutdown, and malfunction plan, you must submit an immediate startup, shutdown, and malfunction report according to the requirements in §63.10(d)(5)(ii).	Record Review	Y	C	
V.E.5.r	Reporting	§2103.12.k; §2103.12.h.6; §63.7341(e)	If the permittee submits a compliance report for an affected source along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A), and the compliance report includes all the required information concerning deviations from any emission limitation or work practice standard in 40 CFR Part 63, Subpart CCCCC, submission of the compliance report satisfies any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report does not otherwise affect any obligation you may have to report deviations from permit requirements to the Department.	Record Review	Y	C	
V.E.6.a	Work Practices	§2105.06; RACT Plan 234	Coke Oven Batteries 19 and 20 shall be properly maintained and operated at all times according to good engineering and air pollution control practices.	Physical Inspection & Record Review	Y	C	
V.E.6.b	Work Practices	§2103.12.h.6; §63.306	The permittee shall comply with the provisions of the applicable workpractice requirements in Site level Condition IV.27.a above	Record Review	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
V.E.6.c	Work Practices	§2103.12.h.6; §63.310(b)	The permittee shall develop and implement according to Condition V.E.6.d below, a written startup, shutdown, and malfunction plan that describes procedures for operating the battery, including associated air pollution control equipment, during a period of a startup, shutdown, or malfunction in a manner consistent with good air pollution control practices for minimizing emissions, and procedures for correcting malfunctioning process and air pollution control equipment as quickly as practicable. All the provisions of Site Level Condition IV.8 above remain applicable and are not superceded by operating in accordance with the startup, shutdown, and malfunction plan.	Record Review	Y	C	
V.E.6.d	Work Practices	§2103.12.h.6; §63.310(c)	During a period of startup, shutdown, or malfunction the permittee shall:	Administrative Requirement	Y	C	
V.E.6.d.1	Work Practices		Operate the battery (including associated air pollution control equipment) in accordance with the procedure specified in the startup, shutdown, and malfunction plan; and	Record Review	Y	C	
V.E.6.d.2	Work Practices		Correct malfunctions as soon as practicable after their occurrence, in accordance with the plan.	Record Review	Y	C	
V.E.6.e	Work Practices	§2103.12.h.6; §63.310(d)	In order for the provisions of Condition V.E.6.j below to apply with respect to the observation (or set of observations) for a particular day, notification of a startup, shutdown, or a malfunction shall be made by the permittee:	Record Review	Y	C	
V.E.6.e.1	Work Practices		If practicable, to the certified observer if the observer is at the facility during the occurrence; or	Record Review	Y	C	
V.E.6.e.2	Work Practices		To the Department, in writing, within 24 hours of the occurrence first being documented by a company employee, and if the notification under Condition V.E.6.j below was not made, an explanation of why no such notification was made.	Record Review	Y	C	
V.E.6.f	Work Practices	§2103.12.h.6; §63.310(e)	Within 14 days of the notification made under Condition V.E.6.e above, or after a startup or shutdown, the permittee shall submit a written report to the Department that:	Record Review	Y	C	
V.E.6.f.1	Work Practices		Describes the time and circumstances of the startup, shutdown, or malfunction; and	Record Review	Y	C	
V.E.6.f.2	Work Practices		Describes actions taken that might be considered inconsistent with the startup, shutdown, or malfunction plan.	Record Review	Y	C	
V.E.6.g	Work Practices	§2103.12.h.6; §63.310(f)	The permittee shall maintain a record of internal reports which form the basis of each malfunction notification under Condition V.E.6.e above.	Record Review	Y	C	

Title V Citation	C. ry	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.E.6.h	Work Practices	§2103.12.h.6; §63.310(g)	To satisfy the requirements of §63.310 to develop a startup, shutdown, and malfunction plan, the permittee may use the standard operating procedures manual for the battery, provided the manual meets all the requirements in §63.310 and is made available for inspection at reasonable times when requested by the Department.	Record Review	Y	C	
V.E.6.i	Work Practices	§2103.12.h.6; §63.310(h)	The Department may require reasonable revisions to a startup, shutdown, and malfunction plan, if the Department finds that the plan:	Administrative Requirement	Y	C	
V.E.6.i.1	Work Practices		Does not address a startup, shutdown, or malfunction event that has occurred;	Record Review	Y	C	
V.E.6.i.2	Work Practices		Fails to provide for the operation of the source (including associated air pollution control equipment) during a startup, shutdown, or malfunction event in a manner consistent with good air pollution control practices for minimizing emissions; or	Record Review	Y	C	
V.E.6.i.3	Work Practices		Does not provide adequate procedures for correcting malfunctioning process and/or air pollution control equipment as quickly as practicable.	Record Review	Y	C	
V.E.6.j	Work Practices	§2103.12.h.6; §63.310(i)	If the permittee demonstrates to the satisfaction of the Department that a startup, shutdown, or malfunction has occurred, then an observation occurring during such startup, shutdown, or malfunction shall not:	Administrative Requirement	Y	C	
V.E.6.j.1	Work Practices		Constitute a violation of relevant requirements of 40 CFR 63, Subpart L;	Record Review	Y	C	
V.E.6.j.2	Work Practices		Be used in any compliance determination under Conditions V.E.6.c through V.E.6.j above; or	Record Review	Y	C	
V.E.6.j.3	Work Practices		Be considered for purposes of Condition IV.27 above, until the Department has resolved the claim that a startup, shutdown, or malfunction has occurred. If the Department determines that a startup, shutdown, or malfunction has not occurred, such observations may be used for purposes of Condition IV.27 above regardless of whether the permittee further contests such determination. The permittee's receipt of written notification from the Department that a startup, shutdown, or malfunction has not occurred will serve, where applicable under Condition IV.27 above, as written notification from the certified observer that an exceedance has occurred.	Record Review	Y	C	
V.E.6.k	Work Practices	§2103.12.h.6; §63.7294(a)	The permittee shall prepare and operate at all times according to a written work practice plan for soaking. Each plan must include measures and procedures to:	Record Review	Y	C	
V.E.6.k.1	Work Practices		Train topside workers to identify soaking emissions that require corrective actions.	Record Review	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type C/I	Comments
V.E.6.k.2	Work Practices		Damper the oven off the collecting main prior to opening the standpipe cap.	Record Review	Y	C	
V.E.6.k.3	Work Practices		Determine the cause of soaking emissions that do not ignite automatically, including emissions that result from raw coke oven gas leaking from the collecting main through the damper, and emissions that result from incomplete coking.	Record Review	Y	C	
V.E.6.k.4	Work Practices		If soaking emissions are caused by leaks from the collecting main, take corrective actions to eliminate the soaking emissions. Corrective actions may include, but are not limited to, reseating the damper, cleaning the flushing liquor piping, using aspiration, putting the oven back on the collecting main, or igniting the emissions.	Record Review	Y	C	
V.E.6.k.5	Work Practices		If soaking emissions are not caused by leaks from the collecting main, notify a designated responsible party. The responsible party must determine whether the soaking emissions are due to incomplete coking. If incomplete coking is the cause of the soaking emissions, you must put the oven back on the collecting main until it is completely coked or you must ignite the emissions.	Record Review	Y	C	
V.E.6.l	Work Practices	§2103.12.h.6; §63.7294(b)	As provided in §63.6(g), the permittee may request to use an alternative to the work practice standard for soaking in Condition V.E.6.k above.	Record Review	Y	C	
V.E.6.m	Work Practices	§2103.12.h.6; §63.7310(a)	The permittee shall be in compliance with the emission limitations, work practice standards, and operation and maintenance requirements of 40 CFR 63, Subpart CCCCC at all times, except during periods of startup, shutdown, and malfunction as defined in §63.2.	Physical Inspection, Process Knowledge & Record Review	Y	C	
V.E.7.a	Additional Requirements	§2103.12.d & Consent Order and Agreement (COA) Third Amendment, July 6, 2011, Condition IV(d) & (e)	The permittee shall achieve continuous compliance with the combustion stack opacity limits in §2105.21.f.3 and §2105.21.f.4 for Batteries 19 and 20 according to the following compliance plan schedule:	Administrative Requirement	Y	C	
V.E.7.a.1	Additional Requirements		Replace additional walls and end flues on Batteries No 19 and 20 by December 31, 2012 and October 31, 2014 respectively;	Record Review	Y	C	
V.E.7.a.2	Additional Requirements		Achieve compliance with the opacity limits in §2105.21.f.3 and §2105.21.f.4 for Batteries 19 and 20 by December 31, 2012 and October 31, 2014 respectively.	Record Review	Y	C	
V.E.7.b	Additional Requirements		The definitions in 40 CFR 63.7352 are hereby incorporated into this permit by reference.	Administrative Requirement	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
V.F.1.a	Restrictions	[§2105.21.e; Installation Permit 0052-I005a]	The permittee shall not operate, or allow to be operated, Battery 19 or Battery 20 coke ovens unless there is installed on each battery a pushing emission control baghouse which is designed to reduce fugitive emissions from pushing to the minimum attainable through the use of BACT, nor shall the permittee operate, or allow to be operated Battery 19 or Battery 20 coke ovens in such manner that:	Engineering Judgement	Y	C	
V.F.1.a.1	Restrictions	[§2105.21.e.2; Installation Permit 0052-I005a]	At any time, the particulate mass emission rate from the pushing emission control system device, for Battery No. 19 exceeds a rate determined by an outlet concentration of 0.010 grains per dry standard cubic foot;	Direct Measurement/Records Review	Y	C	
V.F.1.a.2	Restrictions	[§2105.21.e.3, Installation Permit 0052-I005a.]	At any time, the particulate mass emission rate from the pushing emission control system device, for Battery No. 20 exceeds a rate determined by an outlet concentration of 0.04 pounds per ton of coke;	Direct Measurement/Records Review	Y	C	
V.F.1.a.3	Restrictions	(§2105.21.e.4; Installation Permit 0052-I005a)	Fugitive pushing emissions or emissions from the pushing emission control system device outlet equal or exceed an opacity of 20% at any time, except if the Department determines in writing, upon written application from the person responsible for the coke ovens setting forth all information needed to make such determination, that such emissions are of only minor significance with respect to causing air pollution and do not prevent or interfere with the attainment or maintenance of any ambient air quality standard (any such determination shall be submitted as a proposed revision to Allegheny County's portion of the SIP).	Physical Inspection/Procedures	Y	I	USS is certifying intermittent compliance primarily because of the performance at the beginning of the reporting period. Performance improved at the end of the reporting period. USS continues to evaluate.
V.F.1.b	Restrictions	[§2105.21.e.6]	The permittee shall not operate, or allow to be operated at any time, coke oven batteries in such manner that the hot coke fails to be held under the hood of the pushing emission control device for at least 67 seconds immediately after the pusher ram begins to move and the damper to the PEC device is opened or for at least 15 seconds immediately following the fall of the last of the coke into the hot car, whichever is longer. This provision shall only be effective during the period from 30 days following the issuance of written notice by the Department to the permittee of such battery that EPA has required the implementation of the contingency measures under the portion of the PM-10 SIP for the Liberty Borough/Clairton area, until issuance of a written notice by the Department that such measures are no longer required.	Process Knowledge/Records Review	Y	C	
V.F.1.c	Restrictions	[§2105.03, Installation Permit 0052-I005a]	The permittee shall not operate, or allow to be operated Battery 19 or Battery 20 unless the Battery 19 and 20 PEC System baghouse is properly installed, operated and maintained according to the following conditions, at all times:	Engineering Judgement	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.F.1.c.1	Restrictions		Emissions due to the pushing of Battery 19 and 20 coke ovens shall be vented through the PEC System baghouse dust collector.	Engineering Judgement	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.F.1.c.2	Restrictions		The baghouse shall be equipped with automatic cleaning controls and instrumentation that shall continuously measure the differential pressure drop across the baghouse to within 5.0% of the measuring span of the device.	Engineering Judgement	Y	C	
V.F.1.c.3	Restrictions		The normal operating differential pressure drop range across each baghouse module shall be maintained between a minimum of 2 inches w.c. and maximum of 10 inches w.c.	Engineering Judgement	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.F.1.c.4	Restrictions		When the pressure drop goes beyond the range specified in Condition V.F.1.c.3) above, cleaning, maintenance and other corrective actions shall be conducted, as necessary, to return the pressure drop to the specified range.	Process Knowledge	Y	C	
V.F.1.d	Restrictions	[§2103.12.h.6; §63.7290(a)]	The permittee shall not discharge to the atmosphere emissions of particulate matter from a control device applied to pushing emissions from a coke oven battery that exceed 0.02 pound per ton (lb/ton) of coke :	Direct Measurement/Records Review	Y	C	
V.F.1.e	Restrictions	[§2103.12.h.6; §63.7290(b)(3)]	For each PEC System the permittee shall:	Administrative Requirement	Y	C	
V.F.1.e.1	Restrictions		Maintain the minimum daily average fan motor amperes at 217 or above the minimum level established during the most recent performance test; or	Process Knowledge/Records Review	Y	C	
V.F.1.e.2	Restrictions		Maintain the daily average volumetric flow rate at the inlet of the control device at or above the minimum level established during the initial performance test.	Process Knowledge/Records Review	NA	NA	
V.F.1.f	Restrictions	[§2103.12.h.6; §63.7333 (a)]	For each control device applied to pushing emissions and subject to the emission limit in V.F.1.d above, the permittee shall demonstrate continuous compliance by meeting the requirements in Conditions V.F.1.f.1) and V.F.1.f.2) below:	Engineering Judgement	Y	C	
V.F.1.f.1	Restrictions		Maintaining emissions of particulate matter at or below 0.02 pound per ton (lb/ton) of coke if a moveable hood vented to a stationary control device is used to capture emissions; and	Direct Measurement/Records Review	Y	C	
V.F.1.f.2	Restrictions		Conducting subsequent performance tests to demonstrate continuous compliance no less frequently than once every two years.	Records Review	Y	C	
V.F.1.g	Restrictions	[§2105.03 and Installation Permit 0052-I005a]	Emissions from the Battery 19 and 20 PEC System baghouse shall not exceed the limits listed in Table V-F-1 at any time:	Direct Measurement/Emission Calcs	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type C/I	Comments
V.F.1.g	Restrictions		POLLUTANT GR/DSCF HOURLY LIMIT(lb/hr) ANNUAL LIMIT(ton/yr)				
V.F.1.g	Restrictions		PM 0.010 1.67 7.18		Y	C	
V.F.1.g	Restrictions		PM-10 0.010 1.67 7.18		Y	C	
V.F.1.g	Restrictions		A year is defined as any consecutive 12-month period.				
V.F.1.h	Restrictions	[§2013.12.h]	Battery No. 20 compliance with PM/PM_{10} emission limit in Condition V.F.1.g above, assures compliance with Condition V.F.1.a.2)	Records Review	Y	C	
V.F.1.i	Restrictions	[§2013.12.h]	Batteries No. 19 & No. 20 compliance with PM/PM_{10} emission limit in Condition V.F.1.g above assures compliance with the Coke Oven MACT emission limit in Condition V.F.1.d above.	Records Review	Y	C	
V.F.2.a	Testing	[§2108.02, Installation Permit 0052-I005a; §63.7321]	The permittee shall have baghouse emission stack tests conducted for PM, PM10 and PM2.5 at least once every two years using EPA Methods No.1 through No.5, 201A and 202 (or other method specified), and performed according to Site Level Condition IV.13.	Records Review	Y	C	
V.F.2.b	Testing	[§2108.02, Installation Permit 0052-I005a]	Visible emissions observations of the baghouse stack exhaust and fugitive pushing emissions shall be conducted at least once every two years, as specified in Section 109 of the Department's source testing manual, and be done simultaneously with the baghouse stack tests.	Records Review	Y	C	
V.F.2.c	Testing	[§2103.12.h.6; §63.7322(a)]	The permittee shall conduct each performance test according to the requirements in Condition V.F.2.d below.	Records Review	Y	C	
V.F.2.d	Testing	[§2103.12.h.6; §63.7322(b)]	To determine compliance with the process weighted mass rate of particulate matter (lb/ton of coke) in Condition V.F.1.d.above use the following test methods and procedures:	Engineering Judgement	Y	C	
V.F.2.d.1	Testing	[§2103.12.h.6; §63.7322(b)(1)]	Determine the concentration of particulate matter according to the following test methods in Appendix A to 40 CFR Part 60.	Records Review	Y	C	
V.F.2.d.1.a	Testing		Method 1 to select sampling port locations and the number of traverse points. Sampling sites must be located at the outlet of the control device and prior to any releases to the atmosphere.	Records Review	Y	C	
V.F.2.d.1.b	Testing		Method 2, 2F, or 2G to determine the volumetric flow rate of the stack gas.	Records Review	Y	C	
V.F.2.d.1.c	Testing		Method 3, 3A, or 3B to determine the dry molecular weight of the stack gas.	Records Review	Y	C	
V.F.2.d.1.d	Testing		Method 4 to determine the moisture content of the stack gas.	Records Review	Y	C	
V.F.2.d.1.e	Testing		Method 5 or 5D, as applicable, to determine the concentration of front half particulate matter in the stack gas.	Records Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.F.2.d.2	Testing	[§2103.12.h.6; §63.7322(b)(2)]	During each particulate matter test run, sample only during periods of actual pushing when the capture system fan and control device are engaged. Collect a minimum sample volume of 50 dry standard cubic feet of gas during each test run. Three valid test runs are needed to comprise a performance test. Each run must start at the beginning of a push and finish at the end of a push (i.e., sample for an integral number of pushes) .	Records Review	Y	C	
V.F.2.d.3	Testing	[§2103.12.h.6; §63.7322(b)(3)]	Determine the total combined weight in tons of coke pushed during the duration of each test run according to the procedures in your source test plan for calculating coke yield from the quantity of coal charged to an individual oven.	Records Review	Y	C	
V.F.2.d.4	Testing	[§2103.12.h.6; §63.7322(b)(4)]	Compute the process-weighted mass emissions (E_p) for each test run using Equation 1 of this section as follows: Where: E_p = Process weighted mass emissions of particulate matter, lb/ton; C = Concentration of particulate matter, gr/dscf; Q = Volumetric flow rate of stack gas, dscf/hr; T = Total time during a run that a sample is withdrawn from the stack during pushing, hr; P = Total amount of coke pushed during the test run, tons; and K = Conversion factor, 7,000 gr/lb.	Records Review	Y	C	
V.F.2.e	Testing	[§2103.12.h.6; §63.7323(c)]	For each capture system applied to pushing emissions, the permittee shall establish a site-specific operating limit for the fan motor amperes or volumetric flow rate according to the procedures in Condition V.F.0.e.1) or V.F.0.e.2) below:	Engineering Judgement	Y	C	
V.F.2.e.1	Testing		If you elect the operating limit in V.F.1.e.1) above for fan motor amperes, measure and record the fan motor amperes during each push sampled for each particulate matter test run. Your operating limit is the lowest fan motor amperes recorded during any of the three runs that meet the emission limit.	Records Review	Y	C	
V.F.2.e.2	Testing		If you elect the operating limit in V.F.1.e.2) above for volumetric flow rate, measure and record the total volumetric flow rate at the inlet of the control device during each push sampled for each particulate matter test run. Your operating limit is the lowest volumetric flow rate recorded during any of the three runs that meet the emission limit.	Records Review	NA	NA	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.F.2.f	Testing	[§2103.12.h.6; §63.7323(e)]	The permittee may change the operating limit for a capture system if you meet the requirements in Conditions V.F.0.f.(1) through (3) below:	Engineering Judgement	Y	C	
V.F.2.f.1	Testing		Submit a written notification to the Department of your request to conduct a new performance test to revise the operating limit.	Report Submission	Y	C	
V.F.2.f.2	Testing		Conduct a performance test to demonstrate that emissions of particulate matter from the control device do not exceed the applicable limit in §63.7290(a).	Records Review	Y	C	
V.F.2.f.3	Testing		Establish revised operating limits according to the applicable procedures in Condition V.F.0.e above.	Records Review	Y	C	
V.F.2.g	Testing	(§2103.12.h.1)	The Department reserves the right to require additional emissions testing sufficient to assure compliance with the terms and conditions of this permit. Such testing shall be performed in accordance with Site Level Condition IV.13 above and Article XXI §2108.02.	Administrative Requirement	Y	C	
V.F.3.a	Monitoring	[§2103.12.i; §2103.12.h.1, §2103.12.i and Installation Permit 0052-I005a]	The permittee shall continuously monitor and record the differential pressure drop across each baghouse module.	Direct Measurement	Y	C	
V.F.3.b	Monitoring	[§2103.12.i; Installation Permit 0052-I005a]	The permittee shall inspect the Battery 19 and 20 PEC System baghouse, weekly, to insure compliance with conditions V.F.1.c above.	Records Review	Y	C	
V.F.3.c	Monitoring	[§2103.12.i; 63.7291(a)]	The permittee shall meet each of the following requirements in paragraphs V.F.3.c.1) through V.F.3.c.(6)c) below for each coke oven battery.	Administrative Requirement	Y	C	
V.F.3.c.1	Monitoring		Observe and record the opacity of fugitive pushing emissions from each oven at least once every 90 days. If an oven cannot be observed during a 90-day period due to circumstances that were not reasonably avoidable, you must observe the opacity of the first push of that oven following the close of the 90-day period that is capable of being observed in accordance with the procedures in §63.7334(a), and you must document why the oven was not observed within a 90-day period. All opacity observations of fugitive pushing emissions for batteries with vertical flues must be made using the procedures in §63.7334(a).	Physical Inspection/Records Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.F.3.c.2	Monitoring		Observe and record the opacity of fugitive pushing emissions for at least four consecutive pushes per battery each day. Exclude any push during which the observer's view is obstructed or obscured by interferences and observe the next available push to complete the set of four pushes. If necessary due to circumstances that were not reasonably avoidable, you may observe fewer than four consecutive pushes in a day; however, you must observe and record as many consecutive pushes as possible and document why four consecutive pushes could not be observed. You may observe and record one or more non-consecutive pushes in addition to any consecutive pushes observed in a day.	Physical Inspection/Records Review	Y	C	
V.F.3.c.3	Monitoring		Do not alter the pushing schedule to change the sequence of consecutive pushes to be observed on any day. Keep records indicating the legitimate operational reason for any change in your pushing schedule which results in a change in the sequence of consecutive pushes observed on any day	Records Review	Y	C	
V.F.3.c.4	Monitoring		If the average opacity for any individual push exceeds 30 percent opacity for any short battery or 35 percent opacity for any tall battery, you must take corrective action and/or increase coking time for that oven. You must complete corrective action or increase coking time within either 10 calendar days or the number of days determined using Equation 1 of this section, whichever is greater: $X = 0.55 * Y$ (Eq. 1) Where: X = Number of calendar days allowed to complete corrective action or increase coking time; and Y = Current coking time for the oven, hours. For the purpose of determining the number of calendar days allowed under Equation 1 of this section, day one is the first day following the day you observed an opacity in excess of 30 percent for any short battery or 35 percent for any tall battery. Any fraction produced by Equation 1 of this section must be counted as a whole day. Days during which the oven is removed from service are not included in the number of days allowed to complete corrective action.	Records Review	Y	C	
V.F.3.c.5	Monitoring		The permittee shall demonstrate that:	Administrative Requirement	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
V.F.3.c.5.a	Monitoring		The corrective action and/or increased coking time was successful. After a period of time no longer than the number of days allowed in paragraph V.F.3.c.4) above, observe and record the opacity of the first two pushes for the oven capable of being observed using the procedures in §63.7334(a). The corrective action and/or increased coking time was successful if the average opacity for each of the two pushes is 30 percent or less for a short battery or 35 percent or less for a tall battery. If the corrective action and/or increased coking time was successful, you may return the oven to the 90-day reading rotation described in paragraph V.F.3.c.1) above. If the average opacity of either push exceeds 30 percent for a short battery or 35 percent for a tall battery, the corrective action and/or increased coking time was unsuccessful, and you must complete additional corrective action and/or increase coking time for that oven within the number of days allowed in paragraph V.F.3.c.4) above.	Physical Inspection/Records Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.F.3.c.5.b	Monitoring		After implementing any additional corrective action and/or increased coking time required under paragraph V.F.3.c.5)a) or V.F.3.c.6)b) below, you must demonstrate that corrective action and/or increased coking time was successful. After a period of time no longer than the number of days allowed in paragraph V.F.3.c.4) above, you must observe and record the opacity of the first two pushes for the oven capable of being observed using the procedures in §63.7334(a). The corrective action and/or increased coking time was successful if the average opacity for each of the two pushes is 30 percent or less for a short battery or 35 percent or less for a tall battery. If the corrective action and/or increased coking time was successful, you may return the oven to the 90-day reading rotation described in paragraph V.F.3.c.1) above. If the average opacity of either push exceeds 30 percent for a short battery or 35 percent for a tall battery, the corrective action and/or increased coking time was unsuccessful, and you mutive action(s) and/or increased coking time. paragraph V.	Physical Inspection/Records Review	Y	C	
V.F.3.c.5.c	Monitoring		If the corrective action and/or increased coking time was unsuccessful as described in paragraph V.F.3.c.5)b) above, the permittee must repeat the procedures in paragraph V.F.3.c.5)b) above until the corrective action and/or increased coking time is successful. You must report to the permitting authority as a deviation each unsuccessful attempt at corrective action and/or increased coking time under paragraph V.F.3.c.5)b) above.	Records Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
V.F.3.c.6	Monitoring		If at any time the permittee places an oven on increased coking time as a result of fugitive pushing emissions that exceed 30 percent for a short battery or 35 percent for a tall battery, you must keep the oven on the increased coking time until the oven qualifies for decreased coking time using one of the following procedures:	Physical Inspection/Records Review	Y	C	
V.F.3.c.6.a	Monitoring		To qualify for a decreased coking time for an oven placed on increased coking time in accordance with condition V.F.3.c.4) or V.F.3.c.5) above, you must operate the oven on the decreased coking time. After no more than two coking cycles on the decreased coking time, you must observe and record the opacity of the first two pushes that are capable of being observed using the procedures in §63.7334(a). If the average opacity for each of the two pushes is 30 percent or less for a short battery or 35 percent or less for a tall battery, you may keep the oven on the decreased coking time and return the oven to the 90-day reading rotation described in condition V.F.3.c.1) above. If the average opacity of either push exceeds 30 percent for a short battery or 35 percent for a tall battery, the attempt to qualify for a decreased coking time was unsuccessful. You must then return the oven to the previously established increased coking time, or implement other corrective action(s) and/or increased coking time. If you impicurately reported in the units of measurement specified by the applicable emission limitations of this permit, the repairs. The request shall be deemed	Physical Inspection/Records Review	Y	C	
V.F.3.c.6.b	Monitoring		If the attempt to qualify for decreased coking time was unsuccessful as described in condition V.F.3.c.6)a) above, you may again attempt to qualify for decreased coking time for the oven. To do this, you must operate the oven on the decreased coking time. After no more than two coking cycles on the decreased coking time, you must observe and record the opacity of the first two pushes that are capable of being observed using the procedures in V.F.3.q or §63.7334(a). If the average opacity for each of the two pushes is 30 percent or less for a short battery or 35 percent or less for a tall battery, you may keep the oven on the decreased coking time and return the oven to the 90-day reading rotation described in condition V.F.3.c.1) above. If the average opacity of either push exceeds 30 percent for a short battery or 35 percent for a tall battery, the attempt to qualify for a decreased coking time was unsuccessful. You must then return the oven to the previously established increased coking time, or implement ocurately reported in the units of measurement specified by the applicable emission limitations of this permit, the repairs. The request shall be deemed	Physical Inspection/Records Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
V.F.3.c.6.c	Monitoring		The permittee must report to the permitting authority as a deviation the second and any subsequent consecutive unsuccessful attempts on the same oven to qualify for decreased coking time as described in paragraph V.F.3.c.b) above	Administrative Requirement	Y	C	
V.F.3.d	Monitoring	[§2103.12.i; §2103.12.h.6; §63.7291(b)]	As provided in §63.6(g), the permittee may request to use an alternative to the work practice standards in Condition V.F.3.c above.	Administrative Requirement	Y	C	
V.F.3.e	Monitoring	[§2103.12.i; §2103.12.h.6; §63.7300(c)]	The permittee shall prepare and operate at all times according to a written operation and maintenance plan for each capture system and control device applied to pushing emissions from coke battery(s). Each plan must address at a minimum the following elements.	Administrative Requirement	Y	C	
V.F.3.e.1	Monitoring		Monthly inspections of the equipment that are important to the performance of the total capture system (e.g., pressure sensors, dampers, and damper switches). This inspection must include observations of the physical appearance of the equipment (e.g., presence of holes in ductwork or hoods, flow constrictions caused by dents or accumulated dust in ductwork, and fan erosion). In the event a defect or deficiency is found in the capture system (during a monthly inspection or between inspections), you must complete repairs within 30 days after the date that the defect or deficiency is discovered. If you determine that the repairs cannot be completed within 30 days, you must submit a written request for an extension of time to complete the repairs that must be received by the permitting authority not more than 20 days after the date that the defect or deficiency is discovered. The request must contain a description of the defect or deficiency, the steps needed and taken to correct the problem, the interim steps being taken to mitigate the emissions impact of the defect or deficiency, and a proposed schedule for completing the repairs. The request shall be deemed	Physical Inspection/Records Review	Y	C	
V.F.3.e.2	Monitoring		Preventative maintenance for each control device, including a preventative maintenance schedule that is consistent with the manufacturer's instructions for routine and long-term maintenance.	Records Review	Y	C	
V.F.3.e.3	Monitoring		Corrective action for all baghouses applied to pushing emissions. In the event a bag leak detection system alarm is triggered, you must initiate corrective action to determine the cause of the alarm within 1 hour of the alarm, initiate corrective action to correct the cause of the problem within 24 hours of the alarm, and complete the corrective action as soon as practicable. Actions may include, but are not limited to:	Process Knowledge	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.F.3.e.3.a	Monitoring		Inspecting the baghouse for air leaks, torn or broken bags or filter media, or any other condition that may cause an increase in emissions.	Physical Inspection/Procedures	Y	C	
V.F.3.e.3.b	Monitoring		Sealing off defective bags or filter media.	Process Knowledge	Y	C	
V.F.3.e.3.c	Monitoring		Replacing defective bags or filter media or otherwise repairing the control device.	Process Knowledge	Y	C	
V.F.3.e.3.d	Monitoring		Sealing off a defective baghouse compartment.	Process Knowledge	Y	C	
V.F.3.e.3.e	Monitoring		Cleaning the bag leak detection system probe, or otherwise repairing the bag leak detection system.	Process Knowledge	Y	C	
V.F.3.e.3.f	Monitoring		Shutting down the process producing the particulate emissions	Process Knowledge	Y	C	
V.F.3.f	Monitoring	[§2103.12.i; §2103.12.h.6; §63.7330(a)]	For the PEC system baghouse applied to pushing emissions from a coke oven battery, the permittee shall at all times monitor the relative change in particulate matter loadings using a bag leak detection system according to the requirements in V.F.3.g below and conduct inspections at their specified frequency according to the following requirements:	Direct Measurement/Records Review	Y	C	
V.F.3.f.1	Monitoring		Monitor the pressure drop across each baghouse cell each day to ensure pressure drop is within the normal operating range identified in the manual;	Direct Measurement/Records Review	Y	C	
V.F.3.f.2	Monitoring		Confirm that dust is being removed from hoppers through weekly visual inspections or equivalent means of ensuring the proper functioning of removal mechanisms;	Physical Inspection/Procedures	Y	C	
V.F.3.f.3	Monitoring		Check the compressed air supply for pulse-jet baghouses each day;	Physical Inspection/Procedures	Y	C	
V.F.3.f.4	Monitoring		Monitor cleaning cycles to ensure proper operation using an appropriate methodology;	Physical Inspection/Procedures	Y	C	
V.F.3.f.5	Monitoring		Check bag cleaning mechanisms for proper functioning through monthly visual inspection or equivalent means;	Physical Inspection/Procedures	Y	C	
V.F.3.f.6	Monitoring		Make monthly visual checks of bag tension on reverse air and shaker-type baghouses to ensure that bags are not kinked (kneed or bent) or laying on their sides. You do not have to make this check for shaker-type baghouses using self-tensioning (spring-loaded) devices;	Physical Inspection/Procedures	Y	C	
V.F.3.f.7	Monitoring		Confirm the physical integrity of the baghouse through quarterly visual inspections of the baghouse interior for air leaks; and	Physical Inspection/Procedures	Y	C	
V.F.3.f.8	Monitoring		Inspect fans for wear, material buildup, and corrosion through quarterly visual inspections, vibration detectors, or equivalent means.	Physical Inspection/Procedures	Y	C	
V.F.3.g	Monitoring	[§2103.12.i; §2103.12.h.6; §63.7331(a)]	The permittee shall install, operate, and maintain a bag leak detection system on the PEC system baghouse according to the following requirements:	Engineering Judgement	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
V.F.3.g.1	Monitoring		The system must be certified by the manufacturer to be capable of detecting emissions of particulate matter at concentrations of 10 milligrams per actual cubic meter (0.0044 grains per actual cubic foot) or less;	Design Parameter	Y	C	
V.F.3.g.2	Monitoring		The system must provide output of relative changes in particulate matter loadings;	Design Parameter	Y	C	
V.F.3.g.3	Monitoring		The system must be equipped with an alarm that will sound when an increase in relative particulate loadings is detected over a preset level. The alarm must be located such that it can be heard by the appropriate plant personnel;	Design Parameter	Y	C	
V.F.3.g.4	Monitoring		Each system that works based on the triboelectric effect must be installed, operated, and maintained in a manner consistent with the guidance document, "Fabric Filter Bag Leak Detection Guidance" (EPA-454/R-98-015, September 1997). You may install, operate, and maintain other types of bag leak detection systems in a manner consistent with the manufacturer's written specifications and recommendations;	Engineering Judgement	Y	C	
V.F.3.g.5	Monitoring		To make the initial adjustment of the system, establish the baseline output by adjusting the sensitivity (range) and the averaging period of the device. Then, establish the alarm set points and the alarm delay time;	Engineering Judgement	Y	C	
V.F.3.g.6	Monitoring		Following the initial adjustment, do not adjust the sensitivity or range, averaging period, alarm set points, or alarm delay time, except as detailed in your operation and maintenance plan. Do not increase the sensitivity by more than 100 percent or decrease the sensitivity by more than 50 percent over a 365-day period unless a responsible official certifies, in writing, that the baghouse has been inspected and found to be in good operating condition; and	Administrative Requirement	Y	C	
V.F.3.g.7	Monitoring		Where multiple detectors are required, the system's instrumentation and alarm may be shared among detectors.	Engineering Judgement	Y	C	
V.F.3.h	Monitoring	[§2103.12.i; §2103.12.h.6; §63.7331(b)]	For each CPMS required in V.F.3.m below, you must develop and make available for inspection upon request by the permitting authority a site-specific monitoring plan that addresses the requirements in Conditions V.F.3.h.1) through V.F.3.h.6) below:	Administrative Requirement	Y	C	
V.F.3.h.1	Monitoring		Installation of the CPMS sampling probe or other interface at a measurement location relative to each affected process unit such that the measurement is representative of control of the exhaust emissions (e.g., on or downstream of the last control device);	Direct Measurement/Records Review	Y	C	
V.F.3.h.2	Monitoring		Performance and equipment specifications for the sample interface, the parametric signal analyzer, and the data collection and reduction system;	Design Parameter	Y	C	
V.F.3.h.3	Monitoring		Performance evaluation procedures and acceptance criteria (e.g., calibrations);	Engineering Judgement	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.F.3.h.4	Monitoring		Ongoing operation and maintenance procedures in accordance with the general requirements of §63.8(c)(1), (3), (4)(ii), (7), and (8);	Engineering Judgement	Y	C	
V.F.3.h.5	Monitoring		Ongoing data quality assurance procedures in accordance with the general requirements of §63.8(d); and	Engineering Judgement	Y	C	
V.F.3.h.6	Monitoring		Ongoing recordkeeping and reporting procedures in accordance the general requirements of §63.10(c), (e)(1), and (e)(2)(i).	Administrative Requirement	Y	C	
V.F.3.i	Monitoring	[§2103.12.i; §2103.12.h.6; §63.7331(c)]	The permittee shall conduct a performance evaluation of each CPMS in accordance with your site-specific monitoring plan.	Records Review	Y	C	
V.F.3.j	Monitoring	[§2103.12.i; §2103.12.h.6; §63.7331(d)]	The permittee shall operate and maintain each CPMS in continuous operation according to the site-specific monitoring plan.	Administrative Requirement	Y	C	
V.F.3.k	Monitoring	[§2103.12.i; §2103.12.h.6; §63.7331(h)]	If the permittee elects the operating limit in V.F.1.e.1) above for a capture system applied to pushing emissions, you must install, operate, and maintain a device to measure the fan motor amperes.	Direct Measurement/Records Review	Y	C	
V.F.3.l	Monitoring	[§2103.12.i; §2103.12.h.6; §63.7331(g)]	If the permittee elects the operating limit in V.F.1.e.2) for a capture system applied to pushing emissions, you must install, operate, and maintain a device to measure the total volumetric flow rate at the inlet of the control device.	Direct Measurement/Records Review	NA		
V.F.3.m	Monitoring	[§2103.12.i; §2103.12.h.6; §63.7330(d)]	For each capture system applied to pushing emissions, the permittee shall at all times monitor the fan motor amperes according to the requirements in Condition V.F.3.k above or the volumetric flow rate according to the requirements in Condition V.F.3.l above.	Direct Measurement/Records Review	NA		
V.F.3.n	Monitoring	[§2103.12.i; §2103.12.h.6; §63.7332(a)]	Except for monitor malfunctions, associated repairs, and required quality assurance or control activities (including as applicable, calibration checks and required zero and span adjustments), the permittee shall monitor continuously (or collect data at all required intervals) at all times the affected source is operating.	Direct Measurement/Records Review	Y	C	
V.F.3.o	Monitoring	[§2103.12.i; §2103.12.h.6; §63.7332(b)]	The permittee shall not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities in data averages and calculations used to report emission or operating levels, or in fulfilling a minimum data availability requirement, if applicable. The permittee shall use all the data collected during all other periods in assessing compliance. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitor to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.	Records Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.F.3.p	Monitoring	[§2103.12.i; §2103.12.h.6; §63.7333(d)]	For each capture system applied to pushing emissions and subject to the operating limit in Condition V.F.1.e above, the permittee shall demonstrate continuous compliance by meeting the requirements in Condition V.F.3.p.1) or V.F.3.p.2) below:	Administrative Requirement			
V.F.3.p.1	Monitoring		If the permittee elects the operating limit for fan motor amperes in V.F.1.e.1) below:	Administrative Requirement	Y	C	
V.F.3.p.1.a	Monitoring		Maintaining the daily average fan motor amperes at or above the minimum level established during the initial or subsequent performance test; and	Direct Measurement/Records Review	Y	C	
V.F.3.p.1.b	Monitoring		Checking the fan motor amperes at least every 8 hours to verify the daily average is at or above the minimum level established during the initial or subsequent performance test and recording the results of each check.	Direct Measurement/Records Review	Y	C	
V.F.3.p.2	Monitoring		If the permittee elects the operating limit for volumetric flow rate in V.F.1.e.2) below:	Administrative Requirement	Y	C	
V.F.3.p.2.a	Monitoring		Maintaining the daily average volumetric flow rate at the inlet of the control device at or above the minimum level established during the initial or subsequent performance test; and	Direct Measurement/Records Review	Y	C	
V.F.3.p.2.b	Monitoring		Checking the volumetric flow rate at least every 8 hours to verify the daily average is at or above the minimum level established during the initial or subsequent performance test and recording the results of each check.	Direct Measurement/Records Review	Y	C	
V.F.3.q	Monitoring	[§2103.12.i; §2103.12.h.6; §63.7334(a)]	The permittee shall demonstrate continuous compliance with the work practice standards for fugitive pushing emissions according to the following requirements:	Administrative Requirement	Y	C	
V.F.3.q.1	Monitoring		Observe and record the opacity of fugitive emissions for four consecutive pushes per operating day, except you may make fewer or non-consecutive observations as permitted by Condition V.F.3.c.2) above. Maintain records of the pushing schedule for each oven and records indicating the legitimate operational reason for any change in the pushing schedule according to Condition V.F.3.c.3) above.	Physical Inspection/Records Review	Y	C	
V.F.3.q.2	Monitoring		Observe and record the opacity of fugitive emissions from each oven in a battery at least once every 90 days. If an oven cannot be observed during a 90-day period, observe and record the opacity of the first push of that oven following the close of the 90-day period that can be read in accordance with the procedures in paragraphs V.F.3.q.1) through V.F.3.q.8).	Physical Inspection/Records Review	Y	C	
V.F.3.q.3	Monitoring		Make all observations and calculations for opacity observations of fugitive pushing emissions in accordance with Method 9 in Appendix A to 40 CFR Part 60 using a Method 9 certified observer unless you have an approved alternative procedure under V.F.3.q.7) below	Physical Inspection/Procedures	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
V.F.3.q.4	Monitoring		Record pushing opacity observations at 15-second intervals as required in section 2.4 of Method 9 (Appendix A to 40 CFR Part 60). The requirement in section 2.4 of Method 9 for a minimum of 24 observations does not apply, and the data reduction requirements in section 2.5 of Method 9 do not apply. The requirement in §63.6(h)(5)(ii) for obtaining at least 3 hours of observations (thirty 6-minute averages) to demonstrate initial compliance does not apply.	Physical Inspection/Procedures	Y	C	
V.F.3.q.5	Monitoring		If fewer than six but at least four 15-second observations can be made, use the average of the total number of observations to calculate average opacity for the push. Missing one or more observations during the push (e.g., as the quench car passes behind a building) does not invalidate the observations before or after the interference for that push. However, a minimum of four 15-second readings must be made for a valid observation.	Physical Inspection	Y	C	
V.F.3.q.6	Monitoring		Begin observations for a push at the first detectable movement of the coke mass. End observations of a push when the quench car enters the quench tower.	Physical Inspection/Records Review	Y	C	
V.F.3.q.6.a	Monitoring		Observe fugitive pushing emissions from a position at least 10 meters from the quench car that provides an unobstructed view and avoids interferences from the topside of the battery. This may require the observer to be positioned at an angle to the quench car rather than perpendicular to it. Typical interferences to avoid include emissions from open standpipes and charging. Observe the opacity of emissions above the battery top with the sky as the background where possible. Record the oven number of any push not observed because of obstructions or interferences.	Physical Inspection/Records Review	Y	C	
V.F.3.q.6.b	Monitoring		You may reposition after the push to observe emissions during travel if necessary.	Administrative Requirement	Y	C	
V.F.3.q.7	Monitoring		If it is infeasible to implement the procedures in Conditions V.F.3.q.1) through V.F.3.q.6) above for an oven due to physical obstructions, nighttime pushes, or other reasons, you may apply to the Department for permission to use an alternative procedure. The application must provide a detailed explanation of why it is infeasible to use the procedures in Conditions V.F.3.q.(1) through V.F.3.q.6), identify the oven and battery numbers, and describe the alternative procedure. An alternative procedure must identify whether the coke in that oven is not completely coked, either before, during, or after an oven is pushed.	Administrative Requirement	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.F.3.q.8	Monitoring		For each oven observed that exceeds an opacity of 30 percent for any short battery or 35 percent for any tall battery, you must take corrective action and/or increase the coking time in accordance with Condition V.F.3.c above. Maintain records documenting conformance with Condition V.F.3.c above.	Process Knowledge/Records Review	Y	C	
V.F.3.r	Monitoring	[§2103.12.i; §2103.12.h.6; §63.7335(c)]	To demonstrate continuous compliance with the operation and maintenance requirements for a baghouse applied to pushing emissions from a coke oven battery in V.F.3.g above, the permittee shall inspect and maintain each baghouse according to the requirements in Conditions V.F.3.g.1) through g.7) above and record all information needed to document conformance with these requirements. If you increase or decrease the sensitivity of the bag leak detection system beyond the limits specified in Condition V.F.3. g.6) above, you must include a copy of the required written certification by a responsible official in the next semiannual compliance report.	Physical Inspection/Records Review	Y	C	
V.F.4.a	Record keeping	(§2103.12.j)	The results of the inspections required by condition V.F.3.b above shall be recorded weekly along with the differential pressure drop across the baghouse.	Records Review	Y	C	
V.F.4.b	Record keeping	[§2103.12.j, Installation Permit 0052-I005a]	Episodes of non-compliance with conditions V.F.1.a through V.F.1.g and V.F.3.b above and corrective actions taken shall be recorded upon occurrence.	Records Review	Y	C	
V.F.4.c	Record keeping	[§2103.12.j, Installation Permit 0052-I005a]	The permittee shall keep records of each baghouse maintenance inspection and repair, replacement or other corrective action.	Records Review	Y	C	
V.F.4.d	Record keeping	[§2103.12.j; §2103.12.h.6; §63.7342(a)]	The permittee shall keep the following records:	Records Review	Y	C	
V.F.4.d.1	Record keeping		A copy of each notification and report that was submitted to comply with this subpart, including all documentation supporting any initial notification or notification of compliance status that you submitted, according to the requirements in §63.10(b)(2)(xiv).	Records Review	Y	C	
V.F.4.d.2	Record keeping		The records in §63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction.	Records Review	Y	C	
V.F.4.d.3	Record keeping		Records of performance tests, performance evaluations, and opacity observations as required in §63.10(b)(2)(viii).	Records Review	Y	C	
V.F.4.e	Record keeping	[§2103.12.j; §2103.12.h.6; §63.7342(b)]	For each COMS or CEMS, the permittee shall keep the following records.	Administrative Requirement	Y	C	
V.F.4.e.1	Record keeping		Records described in §63.10(b)(2)(vi) through (xi).	Records Review	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
V.F.4.e.2	Record keeping		Monitoring data for COMS during a performance evaluation as required in §63.6(h)(7)(i) and (ii).	Records Review	Y	C	
V.F.4.e.3	Record keeping		Previous (that is, superceded) versions of the performance evaluation plan as required in §63.8(d)(3).	Records Review	Y	C	
V.F.4.e.4	Record keeping		Records of the date and time that each deviation started and stopped and whether the deviation occurred during a period of startup, shutdown, or malfunction or during another period.	Records Review	Y	C	
V.F.4.f	Record keeping	[§2103.12.j; §2103.12.h.6; §63.7342(c)]	The permittee shall keep the records in §63.6(h)(6) for visual observations.	Records Review	Y	C	
V.F.4.g	Record keeping	[§2103.12.j; §2103.12.h.6; §63.7342(d)]	The permittee shall keep the records required in Conditions V.F.3.p) through V.F.3.r and V.F.4.k through V.F.4.m below to show continuous compliance with each emission limitation, work practice standard, and operation and maintenance requirement that applies to you.	Records Review	Y	C	
V.F.4.h	Record keeping	[§2103.12.j; §2103.12.h.6; §63.7343(a)]	The permittee shall keep records in a form suitable and readily available for expeditious review, according to §63.10(b)(1).	Records Review	Y	C	
V.F.4.i	Record keeping	[§2103.12.j; §2103.12.h.6; §63.7343(b); §2103.12.j, Installation Permit 0052-I005a]	As specified in §63.10(b)(1), the permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.	Records Review	Y	C	
V.F.4.j	Record keeping	[§2103.12.j; §2103.12.h.6; §63.7343(c)]	The permittee shall keep each record on site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1). You can keep the records offsite for the remaining 3 years.	Records Review	Y	C	
V.F.4.k	Record keeping	[§2103.12.j; §2103.12.h.6; §63.7335(b)]	For each coke oven battery with a capture system or control device applied to pushing emissions, the permittee shall demonstrate continuous compliance with the operation and maintenance requirements in Condition V.F.3.e above by meeting the following requirements:	Records Review	Y	C	
V.F.4.k.1	Record keeping		Making monthly inspections of capture systems according to Condition V.F.3.e.1) above and recording all information needed to document conformance with these requirements;	Physical Inspection/Records Review	Y	C	
V.F.4.k.2	Record keeping		Performing preventative maintenance for each control device according to Condition V.F.3.e.2) above and recording all information needed to document conformance with these requirements; and	Process Knowledge/Records Review	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.F.4.k.3	Record keeping		Initiating and completing corrective action for a bag leak detection system alarm according to Condition V.F.3.e.3) above and recording all information needed to document conformance with these requirements. This includes records of the times the bag leak detection system alarm sounds, and for each valid alarm, the time you initiated corrective action, the corrective action(s) taken, and the date on which corrective action is completed.	Process Knowledge/Records Review	Y	C	
V.F.4.l	Record keeping	[§2103.12.j; 63.7335(c)]	The permittee shall inspect and maintain the pushing emission control baghouse as required in V.F.3.g.1) through V. F.3.g.7) above and record all information needed to document conformance with these requirements. If you increase or decrease the sensitivity of the bag leak detection system beyond the limits specified in V.F.3.g.6) above, you must include a copy of the required written certification by a responsible official in the next semiannual compliance report.	Physical Inspection/Records Review	Y	C	
V.F.4.m	Record keeping	[§2103.12.j; 63.7335(d)]	The permittee shall maintain a current copy of the operation and maintenance plans required in §63.7300(b) and (c) onsite and available for inspection upon request. The plans shall be kept for the life of the affected source or until the affected source is no longer subject to the requirements of 40 CFR Part 63, Subpart CCCCC.	Records Review	Y	C	
V.F.5.a	Reporting Requirements	[§2103.12.k, Installation Permit 0052-I005a]	The permittee shall report all instances of non-compliance with conditions V.F.1.a through V.F.1.g, V.F.3.a and V.F.3.b above, and V.F.4.a through V.F.4.c above along with all corrective action taken to restore the subject equipment to compliance, to the Department every six months.	Report Submission	Y	C	
V.F.5.b	Reporting Requirements	[§2103.12.k, Installation Permit 0052-I005a]	Reporting instances of non-compliance in accordance with condition V.F.5.a above, does not relieve the permittee of the requirement to report breakdowns in accordance with IV.8 above, if appropriate.	Report Submission	Y	C	
V.F.5.c	Reporting Requirements	[§2103.12.k; §2109.03 and Enforcement Order 202.E, 3/28/901	No later than twenty (20) days after the end of each month, a written report of a summary of the following during each such month shall be submitted to the Department:	Report Submission	Y	C	
V.F.5.c.1	Reporting Requirements		For each individual coke battery or group of batteries served by the same push emission control system, and for all coke batteries combined:	Engineering Judgement	Y	C	
V.F.5.c.1.a	Reporting Requirements		The total number of pushes for the month;	Records Review	Y	C	
V.F.5.c.1.b	Reporting Requirements		The total number of controlled pushes for the month; and the monthly percentage availability (on-line time) of the pushing control system, based on the total number of pushes and total number of controlled pushes.	Records Review	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.F.5.c.2	Reporting Requirements		For each outage of the pushing control system at each individual coke battery or group of batteries served by the same pushing emission control system:	Records Review	Y	C	
V.F.5.c.2.a	Reporting Requirements		The batteries affected;	Records Review	Y	C	
V.F.5.c.2.b	Reporting Requirements		The starting and ending dates and times;	Records Review	Y	C	
V.F.5.c.2.c	Reporting Requirements		The total time of each outage, to the nearest tenth of an hour;	Records Review	Y	C	
V.F.5.c.2.d	Reporting Requirements		The corresponding Department Breakdown Number; and the reason(s) or cause(s) for the outage.	Records Review	Y	C	
V.F.5.d	Reporting Requirements	[§2103.12.k; §2103.12.h.6; §63.7336(a)]	The permittee shall report each instance in which each emission limitation in Conditions V.F.1.d, V.F.1.e and V.F.1.f was not met. This includes periods of startup, shutdown, and malfunction. The permittee shall also report each instance in which the permittee did not meet each work practice standard or operation and maintenance requirement in Conditions V.F.6.a, V.F.6.b and V.F.6.c. These instances are deviations from the emission limitations (including operating limits), work practice standards, and operation and maintenance requirements of 40 CFR Part 63, Subpart CCCCC. These deviations must be reported according to the requirements in V.F.5.h through V.F.5.k below.	Report Submission	Y	C	
V.F.5.e	Reporting Requirements	[§2103.12.k; §2103.12.h.6; §63.7336(b)]	During periods of startup, shutdown, and malfunction, you must operate in accordance with your startup, shutdown, and malfunction plan.	Administrative Requirement	Y	C	
V.F.5.e.1	Reporting Requirements		Consistent with §63.6(e) and 63.7(e)(1), deviations that occur during a period of startup, shutdown, or malfunction are not violations if you demonstrate to the Department's satisfaction that you were operating in accordance with the startup, shutdown, and malfunction plan.	Engineering Judgement	Y	C	
V.F.5.e.2	Reporting Requirements		The Department will determine whether deviations that occur during a period of startup, shutdown, or malfunction are violations, according to the provisions in §63.6(e).	Administrative Requirement	Y	C	
V.F.5.f	Reporting Requirements	[§2103.12.k; §2103.12.h.6; §63.7340(a)]	The permittee shall submit all of the notifications in §63.6(h)(4) and (5), 63.7(b) and (c), 63.8(e) and (f)(4), and 63.9(b) through (h) that apply to you by the specified dates.	Report Submission	Y	C	
V.F.5.g	Reporting Requirements	[§2103.12.k; §2103.12.h.6; §63.7340(d)]	If you are required to conduct a performance test, the permittee shall submit a notification of intent to conduct a performance test at least 60 calendar days before the performance test is scheduled to begin as required in §63.7(b)(1).	Report Submission	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
V.F.5.h	Reporting Requirements	[§2103.12.k; §2103.12.h.6; §63.7341(a)]	Unless the Department has approved a different schedule, the permittee must submit semiannual compliance reports for the PEC stacks to the Department according to the requirements in Conditions V.F.5.h.1) through V.F.5.h.2) below:	Report Submission	Y	C	
V.F.5.h.1	Reporting Requirements		Each semiannual compliance report shall cover the semiannual reporting period as specified in General Condition III.15.d above. All semiannual compliance reports must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.	Administrative Requirement	Y	C	
V.F.5.h.2	Reporting Requirements		For each affected source that is subject to permitting regulations pursuant to 40 CFR Part 70 or 40 CFR Part 71, and if the permitting authority has established dates for submitting semiannual reports pursuant to 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), you may submit the first and subsequent compliance reports according to the dates the Department has established instead of according to the dates in Conditions V.F.5.h.1) above.	Administrative Requirement	Y	C	
V.F.5.i	Reporting Requirements	[§2103.12.k; §2103.12.h.6; §63.7341(c)]	Each semiannual compliance report must provide information on compliance with the emission limitations, work practice standards, and operation and maintenance requirements for all affected sources except battery stacks. The reports must include the information in V.F.5.i.1) through V.F.5.i.3) below, and as applicable, Conditions V.F.5.i.4) through V.F.5.i.8) below.	Records Review	Y	C	
V.F.5.i.1	Reporting Requirements		Company name and address.	Records Review	Y	C	
V.F.5.i.2	Reporting Requirements		Statement by a responsible official, with the official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.	Records Review	Y	C	
V.F.5.i.3	Reporting Requirements		Date of report and beginning and ending dates of the reporting period.	Records Review	Y	C	
V.F.5.i.4	Reporting Requirements		If you had a startup, shutdown, or malfunction during the reporting period and the permittee took actions consistent with the startup, shutdown, and malfunction plan, the compliance report must include the information in §63.10(d)(5)(i).	Records Review	Y	C	
V.F.5.i.5	Reporting Requirements		If there were no deviations from the continuous compliance requirements in Conditions V.F.3.p through V.F.3.r above and V.F.4.k through V.F.4.m above, a statement that there were no deviations from the emission limitations, work practice standards, or operation and maintenance requirements during the reporting period.	Records Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
V.F.5.i.6	Reporting Requirements		If there were no periods during which a continuous monitoring system (including COMS, continuous emission monitoring system (CEMS), or CPMS) was out-of-control as specified in §63.8(c)(7), a statement that there were no periods during which a continuous monitoring system was out-of-control during the reporting period.	Records Review	Y	C	
V.F.5.i.7	Reporting Requirements		For each deviation from an emission limitation in 40 CFR 63, Subpart CCCCC and for each deviation from the requirements for work practice standards in this 40 CFR Part 63, Subpart CCCCC that occurs at an affected source where the permittee is not using a continuous monitoring system (including a COMS, CEMS, or CPMS) to comply with the emission limitations in this subpart, the compliance report must contain the information in Conditions V.F.5.i.4), V.F.5.i.7)a) and V.F.5.i.7)b) below. This includes periods of startup, shutdown, and malfunction.	Records Review	Y	C	
V.F.5.i.7.a	Reporting Requirements		The total operating time of each affected source during the reporting period.	Records Review	Y	C	
V.F.5.i.7.b	Reporting Requirements		Information on the number, duration, and cause of deviations (including unknown cause, if applicable) as applicable and the corrective action taken.	Records Review	Y	C	
V.F.5.i.8	Reporting Requirements		For each deviation from an emission limitation occurring at an affected source where the permittee is using a continuous monitoring system (including COMS, CEMS, or CPMS) to comply with the emission limitation 40 CFR 63, Subpart CCCCC, the permittee must include the information in Conditions V.F.5.i.4), V.F.5.i.8)a) through V.F.5.i.8)l) below. This includes periods of startup, shutdown, and malfunction.	Records Review	Y	C	
V.F.5.i.8.a	Reporting Requirements		The date and time that each malfunction started and stopped.	Records Review	Y	C	
V.F.5.i.8.b	Reporting Requirements		The date and time that each continuous monitoring system (including COMS, CEMS, or CPMS) was inoperative, except for zero (low-level) and high-level checks.	Records Review	Y	C	
V.F.5.i.8.c	Reporting Requirements		The date, time, and duration that each continuous monitoring system (including COMS, CEMS, or CPMS) was out-of-control, including the information in §63.8(c)(8).	Records Review	Y	C	
V.F.5.i.8.d	Reporting Requirements		The date and time that each deviation started and stopped, and whether each deviation occurred during a period of startup, shutdown, or malfunction or during another period.	Records Review	Y	C	
V.F.5.i.8.e	Reporting Requirements		A summary of the total duration of the deviation during the reporting period and the total duration as a percent of the total source operating time during that reporting period.	Records Review	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
V.F.5.i.8.f	Reporting Requirements		A breakdown of the total duration of the deviations during the reporting period into those that are due to startup, shutdown, control equipment problems, process problems, other known causes, and other unknown causes.	Records Review	Y	C	
V.F.5.i.8.g	Reporting Requirements		A summary of the total duration of continuous monitoring system downtime during the reporting period and the total duration of continuous monitoring system downtime as a percent of the total source operating time during the reporting period.	Records Review	Y	C	
V.F.5.i.8.h	Reporting Requirements		An identification of each HAP that was monitored at the affected source.	Records Review	Y	C	
V.F.5.i.8.i	Reporting Requirements		A brief description of the process units.	Records Review	Y	C	
V.F.5.i.8.j	Reporting Requirements		A brief description of the continuous monitoring system.	Records Review	Y	C	
V.F.5.i.8.k	Reporting Requirements		The date of the latest continuous monitoring system certification or audit.	Records Review	Y	C	
V.F.5.i.8.l	Reporting Requirements		A description of any changes in continuous monitoring systems, processes, or controls since the last reporting period.	Engineering Judgement	Y	C	
V.F.5.j	Reporting Requirements	[§2103.12.k; §2103.12.h.6; §63.7341(d)]	If the permittee had a startup, shutdown, or malfunction during the semiannual reporting period that was not consistent with your startup, shutdown, and malfunction plan, you must submit an immediate startup, shutdown, and malfunction report according to the requirements in §63.10(d)(5)(ii).	Report Submission	Y	C	
V.F.5.k	Reporting Requirements	[§2103.12.k; §2103.12.h.6; §63.7341(e)]	If the permittee submits a compliance report for an affected source along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A), and the compliance report includes all the required information concerning deviations from any emission limitation or work practice standard in 40 CFR Part 63, Subpart CCCCC, submission of the compliance report satisfies any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report does not otherwise affect any obligation you may have to report deviations from permit requirements to the Department.	Administrative Requirement	Y	C	
V.F.6.a	Work Practice Standards	[§2103.12.h.6; §63.7310(c)].	The permittee shall develop and implement a written startup, shutdown, and malfunction plan according to the provisions in 40 CFR 63, Subpart A, §63.6(e)(3).	Engineering Judgement	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.F.6.b	Work Practice Standards	[§2103.12.h.6; §63.7300(a)]	As required by §63.6(e)(1)(i), the permittee shall operate and maintain each coke battery including air pollution control and monitoring equipment, in a manner consistent with good air pollution control practices for minimizing emissions at least to the levels required by 40 CFR Part 63, Subpart CCCCC.	Process Knowledge	Y	C	
V.F.6.c	Work Practice Standards	[§2103.12.h.6; §63.7310(a)]	The permittee shall be in compliance with the emission limitations, work practice standards, and operation and maintenance requirements of 40 CFR 63, Subpart CCCCC at all times, except during periods of startup, shutdown, and malfunction as defined in §63.2.	Records Review	Y	C	
V.F.7	Additional Requirements		The definitions in 40 CFR 63.7352 are hereby incorporated into this permit by reference	Administrative Requirement	Y	C	

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Title V Citation	ategory	Regulation	Requirement	Compliance			Comment
				Method	Y/ N	Type C/I	
V.G.1.a	Restrictions	§2103.12.h.6; §63.307(a)(1)	The permittee shall install, operate and maintain a bypass/bleeder stack flare system in Coke Oven Battery B that is capable of controlling 120 percent of the normal gas flow generated by Battery B.	Process Knowledge & Physical Inspection	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.G.1.b	Restrictions	[§2103.12.h.6; 63.307(a)(2)	Coke oven emissions shall not be vented to the atmosphere through bypass/bleeder stacks, except through the flare system or the alternative control device as described in V.G.1.c below.	Process Knowledge & Physical Inspection	Y	C	
V.G.1.c	Restrictions	§2103.12.h.6; §63.307(d)	As an alternative to the installation, operation, and maintenance of a flare system as required in Conditions V.G.1.b above, the owner or operator may petition the Administrator and the Department for approval of an alternative control device or system that achieves at least 98 percent destruction or control of coke oven emissions vented to the alternative control device or system.	Administrative Requirement	Y	C	
V.G.1.d	Restrictions	§2103.12.h.6; §63.307(b)(1)	The emergency bypass/bleeder stack flare system for each battery shall be designed for a net heating value of 240 Btu per standard cubic feet (Btu/scf).	Process Knowledge & Physical Inspection	Y	C	
V.G.1.e	Restrictions	§2103.12.h.6; §63.307(b)(2); §63.307(b)(4) and §63.309)(h)(2)	Each flare shall have a continuously operable pilot flame that is present at all times as determined by a thermocouple or any other equivalent device.	Process Knowledge & Physical Inspection	Y	C	
V.G.1.f	Restrictions	§2103.12.h.6; §63.310(a)	At all times including periods of startup, shutdown, and malfunction, the permittee shall operate and maintain the coke oven batteries and its pollution control equipment required under 40 CFR 63, Subpart L, in a manner consistent with good air pollution control practices for minimizing emissions to the levels required by any applicable performance standards under Subpart L. Failure to adhere to these requirements shall not constitute a separate violation if a violation of an applicable performance or work practice standard has also occurred.	Records Review	Y	C	
V.G.1.g	Restrictions	§2103.12.h.6; §63.307(c) and §63.309(h)(1)	Each flare installed to meet the requirements of Conditions V.G.1.a through V.G.1.e above shall be operated with no visible emissions, as determined by Method 22 in Appendix A of 40 CFR Part 60, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours with an observation period of 2 hours.	Direct Measurement& Records Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type C/I	Comments
V.G.1.h	Restrictions	§2105.21.h; §2105.21.h.4	The permittee shall not operate, or allow to be operated, any source in such manner that unburned coke oven gas is emitted into the open air. In addition, the permittee shall not flare, mix, or combust coke oven gas, or allow such gas to be flared, mixed or combusted unless the concentration of sulfur compounds, measured as hydrogen sulfide, in such gas is less than or equal to 40 grains per hundred dry standard cubic feet of coke oven gas produced by Clairton Works, when all sulfur emissions from the Claus Sulfur Recovery Plant and the tail gas cleaning equipment thereon, expressed as equivalent H2S are added to the measured H2S. The concentration of sulfur compounds specified shall include the tail-gas sulfur, measured as hydrogen sulfide, emitted from sulfur removal equipment.	Direct Measurement& Records Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.G.1.i	Restrictions	§2103.12.h.6; §63.304(b)(2)	The permittee shall not cause to be discharged or allow to be discharged to the atmosphere coke oven emissions that exceed any of the following emission limitations:	Administrative Requirement	Y	C	
V.G.1.i.1	Restrictions		4.0 percent leaking coke oven doors as determined by the procedures in V.G.3.c.1) below;	Direct Measurement& Records Review	Y	C	
V.G.1.i.2	Restrictions		0.4 percent leaking topside port lids, as determined by the procedures in V.G.3.c.1) below;	Direct Measurement& Records Review	Y	C	
V.G.1.i.3	Restrictions		2.5 percent leaking offtake system(s), as determined by the procedures in V.G.3.c.1) below; and	Direct Measurement& Records Review	Y	C	
V.G.1.i.4	Restrictions		12 seconds of visible emissions per charge, as determined by the procedures in V.G.3.c.2) below.	Direct Measurement& Records Review	Y	C	
V.G.1.j	Restrictions	§2103.12.h.6; §63.306(c)(1)(i)	The permittee shall operate according to the work practice plan, required in Condition IV.27 above following the second independent exceedance of the visible emission limitation for the emission point in any consecutive 6-month period, by no later than 3 days after receipt of written notification of the second such exceedance from the certified observer.	Records Review	Y	C	
V.G.1.k	Restrictions	§2105.21.a.1	The permittee shall not operate, or allow to be operated any Battery B coke ovens in such manner that the aggregate of visible charging emissions exceeds a total of 55 seconds during any five (5) consecutive charges on such battery.	Direct Measurement& Records Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.G.1.l	Restrictions	§2105.21.b.4	The permittee shall not operate, or allow to be operated Battery B coke ovens in such manner that emissions from the door areas of any coke oven exceed an opacity of 40% at any time 15 or more minutes after such oven has been charged.	Direct Measurement& Records Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.

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Title V Citation	ategory	Regulation	Requirement	Compliance			Comment
				Method	Y/ N	Type C/I	
V.G.1.m	Restrictions	§2105.21.b.1, 2nd Consent Decree, Appendix 1, V.B.3.a and 5	The permittee shall not operate, or allow to be operated Battery B coke ovens in such manner that, at any time, there are visible emissions from more than five percent (5%) of the door areas of the operating coke ovens in such battery, excluding the two door areas of the last oven charged and any door areas obstructed from view. Compliance with the percent door leakage standard is to be determined in accordance with the inspection techniques described in Chapter 18, Section C of the Department's Source Testing Manual and Appendix 1, Paragraph B.	Direct Measurement& Records Review	Y	C	
V.G.1.n	Restrictions	§2105.21.c.1	The permittee shall not operate, or allow to be operated Battery B coke ovens in such manner that, at any time, there are visible emissions from more than one percent (1%) of the charging ports or charging port seals on the operating coke ovens of such battery.	Direct Measurement& Records Review	Y	C	
V.G.1.o	Restrictions	§2105.21.d.1	The permittee shall not operate, or allow to be operated Battery B coke ovens in such manner that, at any time, there are visible emissions from more than four percent (4%) of the offtake piping on the operating coke ovens of such battery.	Direct Measurement& Records Review	Y	C	
V.G.1.p	Restrictions	§2105.21.e.5	The permittee shall not operate, or allow to be operated Battery B coke ovens in such manner that visible emissions from the transport of hot coke in the open atmosphere exceed ten percent (10%) opacity at any time.	Direct Measurement& Records Review	Y	C	
V.G.1.q	Restrictions	§2105.21.f.1	The permittee shall not operate, or allow to be operated, Battery B coke ovens in such manner that, at any time, emissions from the combustion stack serving such battery exceed a particulate concentration of 0.015 grains per dry standard cubic foot.	Direct Measurement& Records Review	Y	C	
V.G.1.r	Restrictions	Enforcement Order No. 161, July 23, 1990	The permittee shall install, operate, maintain and calibrate a continuous opacity monitoring system on the combustion stack serving Coke Oven Battery B.	Physical Inspection	Y	C	
V.G.1.s	Restrictions	§2105.21.f.3&4	The permittee shall not operate, or allow to be operated, B Battery coke ovens in such manner that, at any time, emissions from the combustion stack serving B Battery equal or exceed an opacity of 20% for a period or periods aggregating in excess of three (3) minutes in any 60 minute period; or equal or exceed an opacity of 60% at any time.	Direct Measurement& Records Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.G.1.t	Restrictions	§2103.12.h.6; §63.7296(a) and (b)	The permittee shall not discharge to the atmosphere any emissions from any battery stack that exhibit an opacity greater than the following applicable limits:	Direct Measurement& Records Review	Y	C	
V.G.1.t.1	Restrictions		Daily average of 15 percent opacity for a battery on a normal coking cycle.	Direct Measurement& Records Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type C/I	Comments
V.G.1.t.2	Restrictions		Daily average of 20 percent opacity for a battery on batterywide extended coking.	Direct Measurement& Records Review	Y	C	
V.G.1.u	Restrictions	§2103.12.h.6; §63.7326(d)	The permittee shall submit a notification of compliance status containing the results of the COMS performance test for battery stacks before the close of business on the 30th calendar days following the completion of the compliance demonstration. For each particulate matter emission limitation that applies to you, the permittee shall submit a notification of compliance status containing the results of the performance test before the close of business on the 60th calendar days following the completion of the performance test according to §63.10(d)(2).	Records Review	Y	C	
V.G.1.v	Restrictions	§2105.21.f.2, §2105.21.h.4 and §2103.12.a.2.B	Emissions from Coke Battery B combustion stack shall not exceed the emission limitations in Table V-I-1.	Administrative Requirement	Y	C	
V.G.1.v	Restrictions		**POLLUTANT HOURLY LIMIT (lb/hr) ANNUAL LIMIT (ton/yr)**				
V.G.1.v	Restrictions		PM 12.40 54.33		Y	C	
V.G.1.v	Restrictions		PM-10 12.40 54.33		Y	C	
V.G.1.v	Restrictions		PM2.5 12.40 54.33		Y	C	
V.G.1.v	Restrictions		SO2 91.5 400.95		Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.G.1.v	Restrictions		A year is defined as any consecutive 12-month period				
V.G.2.a	Testing	§2103.12.h.1; §2108.02.e and Second Consent Decree, 6/24/1993	The permittee shall have PM, PM2.5, and PM10 emissions stack tests performed on the combustion stack of Coke Battery B at least once every four (4) years to demonstrate compliance with the mass emission standard in Condition V.G.1.q above. Particulate emission tests shall be conducted according to the methodology specified in 40 CFR 60, Appendix A, Methods 1 through 5, 201A and 202 (or other method specified). The permittee shall submit a stack test protocol to the Department at least 45 days prior to the test dates. During each stack test performed, simultaneous visible emission evaluations shall be conducted according to the methodology specified in 40 CFR 60, Appendix A, Method 9, except for the provisions of Section 2.5 of Method 9.	Records Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comment
				Method	Y/N	Type C/I	
V.G.2.b	Testing	§2108.02.b and §2108.02.e	The permittee shall have sulfur dioxide (SO2) emissions stack tests performed on the combustion stacks of Coke Battery B at least once every two years to demonstrate compliance with the mass emission limitations for each combustion stack in Condition V.G.1.v above. SO2 emission tests shall be conducted according to Method 6, 6A, 6B, or 6C specified in 40 CFR 60, Appendix A. The permittee shall submit a stack test protocol to the Department at least 45 days prior to the test dates.	Records Review	Y	C	
V.G.2.c	Testing	§2103.12.h.1; §2108.02.b and §2108.02.e	The permittee shall perform an evaluation for Nox on the Battery B combustion stack to develop emission factors that can be applied to quantify NOx emissions. This evaluation shall include an analysis of B Battery CEM data, and an evaluation of gas combustion and operating variables that affect NOx. Reports of the stack testing results shall be submitted to the Department within 90 days of the date of the stack test. The evaluation report shall be made available to the Department upon request and at permit renewal.	Records Review	Y	C	
V.G.2.d	Testing	§2103.12.h.1; §2108.02.b and §2108.02.e	The permittee shall perform emissions tests and evaluations for CO and VOC on the Battery B combustion stack to develop emission factors that can be applied to quantify CO & VOC emissions. Testing for CO and VOC shall be conducted in accordance with approved EPA Methods in Appendix A of 40 CFR Part 60, Article XXI §2108.02, and as approved by the Department. Reports of the stack testing results shall be submitted to the Department within 90 days of the date of the stack test. The evaluation report shall be made available to the Department upon request and at permit renewal.	Records Review	Y	C	
V.G.2.e	Testing	40 CFR Part 60, Appendix B, Specification 2 and §2108.03	The permittee shall have a Relative Accuracy Test Audit (RATA) performed for the nitrogen oxide (NOX) CEMS as specified in 40 CFR Part 60, Appendix B, Specification 2. The RATA shall be performed annually to evaluate the acceptability of the NOX CEMS data. The permittee shall submit the RATA protocol to the Department at least 45 days prior to the test dates.	Records Review	Y	C	
V.G.2.f	Testing	§2103.12.h.1	The Department reserves the right to require additional emissions testing sufficient to assure compliance with the terms and conditions of this permit. Such testing shall be performed in accordance with Site Level Condition IV.13 above and Article XXI §2108.02.	Records Review	Y	C	
V.G.3.a	Monitoring		The permittee shall:	Administrative Requirement	Y	C	
V.G.3.a.1	Monitoring	§2103.12.i; §2103.12.h.6; §63.308(a)	Inspect the collecting main for leaks at least once daily according to the procedures in Method 303 in 40 CFR Part 63, Appendix A	Records Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.G.3.a.2	Monitoring	§2103.12.i; §2103.12.h.6; §63.308(b)	Record the time and date a leak in the collecting main is first observed, the time and date the leak is temporarily sealed, and the time and date of repair;	Records Review	Y	C	
V.G.3.a.3	Monitoring	§2103.12.i; §2103.12.h.6; §63.308(c)	Temporarily seal any leak in the collecting main as soon as possible after detection, but no later than 4 hours after detection of the leak; and	Records Review	Y	C	
V.G.3.a.4	Monitoring	§2103.12.i; §2103.12.h.6; §63.308(d)	Initiate a collecting main repair as expeditiously as possible, but no later than 5 calendar days after initial detection of the leak. The repair shall be completed within 15 calendar days after initial detection of the leak unless an alternative schedule is approved by the Department.	Records Review	Y	C	
V.G.3.b	Monitoring	§2103.12.i; §2103.12.h.6; §63.309(a)	Except as otherwise provided, a daily performance test shall be conducted each day, 7 days per week for each coke oven battery, the results of which shall be used in accordance with procedures in Condition V.G.3.c below to determine compliance with each of the applicable visible emission limitations for coke oven doors, topside port lids, offtake systems, and charging operations.	Records Review	Y	C	
V.G.3.b.1	Monitoring		Each performance test is to be conducted according to the procedures and requirements in Method 303 in Appendix A to 40 CFR Part 63 or Methods 9 and 22 in Appendix A to 40 CFR Part 60 (where applicable).	Records Review	Y	C	
V.G.3.b.2	Monitoring		Each performance test is to be conducted by a certified observer.	Records Review	Y	C	
V.G.3.b.3	Monitoring		The certified observer shall complete any reasonable safety training program offered by the permittee prior to conducting any performance test at a coke oven battery.	Records Review	Y	C	
V.G.3.b.4	Monitoring		Except as otherwise provided in §63.309(a)(5), the permittee shall pay an inspection fee to the Department each calendar quarter, as specified in §63.309(a)(4), to defray the costs of the daily performance tests required in Condition V.G.3.b above.	Records Review	Y	C	
V.G.3.b.5	Monitoring		If a facility pushes and charges only at night, then that facility must, at its option, change their schedule and charge during daylight hours or provide adequate lighting so that visible emissions inspections can be made at night. "Adequate lighting" shall be determined by the Department.	Records Review	Y	C	
V.G.3.c	Monitoring	§2103.12.i; §2103.12.h.6; §63.309(c)	The certified observer shall conduct each performance test according to the following requirements:	Administrative Requirement	Y	C	

Title V Citation	tegory	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.G.3.c.1	Monitoring		The certified observer shall conduct one run each day to observe and record visible emissions from each coke oven door, topside port lid, and offtake system on each coke oven battery. The certified observer also shall conduct five runs to observe and record the seconds of visible emissions per charge for five consecutive charges from each coke oven battery. The observer may perform additional runs as needed to obtain and record a visible emissions value (or set of values) for an emission point that is valid under Method 303 in Appendix A to 40 CFR Part 63. Observations from fewer than five consecutive charges shall constitute a valid set of charging observations only in accordance with the procedures and conditions specified in Sections 3.8 and 3.9 of Method 303 in Appendix A of 40 CFR 63.	Records Review	Y	C	
V.G.3.c.2	Monitoring		If a valid visible emissions value (or set of values) is not obtained for a performance test, there is no compliance determination for that day. Compliance determinations will resume on the next day that a valid visible emissions value (or set of values) is obtained.	Records Review	Y	C	
V.G.3.c.3	Monitoring		After each performance test, the certified observer shall check and record the collecting main pressure according to the procedures in Section 6.3 of Method 303 in Appendix A of 40 CFR 63.	Records Review	Y	C	
V.G.3.c.3.a	Monitoring		The permittee shall demonstrate pursuant to Method 303 in Appendix A of 40 CFR 63, the accuracy of the pressure measurement device upon request of the certified observer;	Records Review	Y	C	
V.G.3.c.3.b	Monitoring		The permittee shall not adjust the pressure to a level below the range of normal operation during or prior to the inspection;	Records Review	Y	C	
V.G.3.c.4	Monitoring		In no case shall the permittee knowingly block a coke oven door, or any portion of a door for the purpose of concealing emissions or preventing observations by the certified observer.	Training	Y	C	
V.G.3.d	Monitoring	§2103.12.i; §2103.12.h.6; §63.309(d)	Using the observations obtained from each performance test, the Department shall compute and record, in accordance with the procedures and requirements of Method 303 in Appendix A of 40 CFR Part 63, for each day of operations on which a valid emissions value (or set of values) is obtained:	Records Review	Y	C	
V.G.3.d.1	Monitoring		The 30-run rolling average of the percent leaking coke oven doors, topside port lids, and offtake systems on each coke oven battery, using the equations in sections 4.5.3.2, 5.6.5.2, and 5.6.6.2 of Method 303 in Appendix A of 40 CFR 63;	Records Review	Y	C	
V.G.3.d.2	Monitoring		For by-product coke oven battery charging operations, the logarithmic 30-day rolling average of the seconds of visible emissions per charge for each battery, using the equation in section 3.9 of Method 303 in Appendix A of 40 CFR 63;	Records Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type C/I	Comments
V.G.3.e	Monitoring	§2103.12.i; §2103.12.h.6; §63.309(e)	The certified observer shall make available to the Department as well as to the permittee, a copy of the daily inspection results by the end of the day and shall make available the calculated rolling average for each emission point to the permittee as soon as practicable following each performance test. The information provided by the certified observer is not a compliance determination. For the purpose of notifying the permittee of the results obtained by a certified observer, the person does not have to be certified.	Records Review	Y	C	
V.G.3.f	Monitoring	§2103.12.i; §2103.12.h.6; §63.309(f)	Compliance shall not be determined more often than the schedule provided for performance tests in Condition V.G.3.b above. If additional valid emissions observations are obtained (or in the case of charging, valid sets of emission observations), the arithmetic average of all valid values (or valid sets of values) obtained during the day shall not be used in any computations performed to determine compliance under Condition V.G.3.d above or determinations under Condition IV.27 above.	Administrative Requirement	Y	C	
V.G.3.g	Monitoring	§2103.12.i; §2103.12.h.6; §63.309(h)	For a flare installed to meet the requirements of Condition V.G.1.d and V.G.1.e above:	Administrative Requirement	Y	C	
V.G.3.g.1	Monitoring		Compliance with the provisions in Condition V.G.1.k above (visible emissions from flares) shall be determined using Method 22 in Appendix A to 40 CFR Part 60, with an observation period of 2 hours; and	Records Review	Y	C	
V.G.3.g.2	Monitoring		Compliance with the provisions in Condition V.G.1.e above (flare pilot light) shall be determined using a thermocouple or any other equivalent device.	Records Review	Y	C	
V.G.3.h	Monitoring	§2103.12.i; §2103.12.h.6; §63.309(i)	No observations obtained during any program for training or for certifying observers under 40 CFR 63, Subpart L shall be used to determine compliance with the requirements of Subpart L or any other federally enforceable standard.	Administrative Requirement	Y	C	
V.G.3.i	Monitoring	§2103.12.i; §2103.12.h.6; §63.7300(b)	The permittee shall prepare and operate at all times according to a written operation and maintenance plan for the general operation and maintenance of all coke oven batteries. Each plan must address, at a minimum, the following elements:	Records Review	Y	C	
V.G.3.i.1	Monitoring		Frequency and method of recording underfiring gas parameters.	Records Review	Y	C	
V.G.3.i.2	Monitoring		Frequency and method of recording battery operating temperature, including measurement of individual flue and cross-wall temperatures.	Records Review	Y	C	
V.G.3.i.3	Monitoring		Procedures to prevent pushing an oven before it is fully coked.	Records Review	Y	C	

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Title V Citation	ategory	Regulation	Requirement	Compliance			Comment
				Method	Y/N	Type C/I	
V.G.3.i.4	Monitoring		Procedures to prevent overcharging and undercharging of ovens, including measurement of coal moisture, coal bulk density, and procedures for determining volume of coal charged.	Records Review	Y	C	
V.G.3.i.5	Monitoring		Frequency and procedures for inspecting flues, burners, and nozzles.	Records Review	Y	C	
V.G.3.i.6	Monitoring		Schedule and procedures for the daily washing of baffles	Records Review	Y	C	
V.G.3.j	Monitoring	§2103.12.i; §2103.12.h.6; §63.7330(e)	The permittee shall monitor at all times the opacity of emissions exiting each coke oven battery stack using a COMS according to the requirements in §63.7331(j).	Process Knowledge & Physical Inspection	Y	C	
V.G.3.k	Monitoring	§2103.12.i; §2103.12.h.6; §63.7331(c)	The permittee shall conduct a performance evaluation of each CPMS in accordance with your site-specific monitoring plan.	Records Review	Y	C	
V.G.3.l	Monitoring	§2103.12.i; §2103.12.h.6; §63.7331(d)	The permittee shall operate and maintain each CPMS in continuous operation according to the site-specific monitoring plan.	Records Review	Y	C	
V.G.3.m	Monitoring	§2103.12.i; §2103.12.h.6; §63.7331(j)	For coke oven battery, the permittee shall install, operate, and maintain a COMS to measure and record the opacity of emissions exiting each stack according to the requirements in Conditions V.G.3.m.1) through V.G.3.m.5) below:	Administrative Requirement	Y	C	
V.G.3.m.1	Monitoring		Install, operate, and maintain each COMS according to the requirements in §63.8(e) and Performance Specification 1 in 40 CFR Part 60, Appendix B. Identify periods when the COMS is out-of-control, including any periods that the COMS fails to pass a daily calibration drift assessment, quarterly performance audit, or annual zero alignment audit.	Process Knowledge & Physical Inspection	Y	C	
V.G.3.m.2	Monitoring		Conduct a performance evaluation of each COMS according to the requirements in §63.8 and Performance Specification 1 in Appendix B to 40 CFR Part 60;	Records Review	Y	C	
V.G.3.m.3	Monitoring		Develop and implement a quality control program for operating and maintaining each COMS according to the requirements in §63.8(d). At minimum, the quality control program must include a daily calibration drift assessment, quarterly performance audit, and an annual zero alignment audit of each COMS;	Records Review	Y	C	
V.G.3.m.4	Monitoring		Each COMS must complete a minimum of one cycle of sampling and analyzing for each successive 10-second period and one cycle of data recording for each successive 6-minute period. You must reduce the COMS data as specified in §63.8(g)(2).	Records Review	Y	C	
V.G.3.m.5	Monitoring		Determine and record the hourly and daily (24-hour) average opacity according to the procedures in §63.7324(b) above using all the 6-minute averages collected for periods during which the COMS is not out-of-control.	Records Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.G.3.n	Monitoring	§2103.12.i; §2103.12.h.6; §63.7332(a)	Except for monitor malfunctions, associated repairs, and required quality assurance or control activities (including as applicable, calibration checks and required zero and span adjustments), the permittee shall monitor continuously (or collect data at all required intervals) at all times the affected source is operating.	Process Knowledge & Physical Inspection	Y	C	
V.G.3.o	Monitoring	§2103.12.i; §2103.12.h.6; §63.7332(b)	The permittee shall not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities in data averages and calculations used to report emission or operating levels, or in fulfilling a minimum data availability requirement, if applicable. The permittee shall use all the data collected during all other periods in assessing compliance. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitor to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.	Records Review	Y	C	
V.G.3.p	Monitoring	§2103.12.i; §2103.12.h.6; §63.7333(e)	The permittee shall demonstrate continuous compliance for each by-product coke oven battery subject to the opacity limit for stacks in Condition V.G.1.t.1) and V.G.1.t.2) by meeting the requirements in Conditions V.G.3.p.1) and V.G.3.p.2) below:	Administrative Requirement	Y	C	
V.G.3.p.1	Monitoring		Maintaining the daily average opacity at or below 15 percent for a battery on a normal coking cycle or 20 percent for a battery on batterywide extended coking; and	Records Review	Y	C	
V.G.3.p.2	Monitoring		Operating and maintaining a COMS and collecting and reducing the COMS data according to Condition V.G.3.m above	Records Review	Y	C	
V.G.4.a	Recordkeeping	§2103.12.j; §2103.12.h.6; §63.311(f)	The permittee shall maintain files of all required information in a permanent form suitable for inspection at an onsite location for at least 1 year and must thereafter be accessible within 3 working days to the Department for a period of five years. Copies of the work practice plan developed under Condition IV.27 above and the startup, shutdown, and malfunction plan developed under below through V.G.6.e below shall be kept onsite at all times. The permittee shall maintain the following information:	Administrative Requirement	Y	C	
V.G.4.a.1	Recordkeeping		A copy of the work practice plan required by Condition IV.27 above and any revision to the plan;	Records Review	Y	C	
V.G.4.a.2	Recordkeeping		If the permittee is required under Condition V.G.6.e below to implement the provisions of a work practice plan for a particular emission point, the following records regarding the implementation of plan requirements for that emission point during the implementation period:	Administrative Requirement	Y	C	

Title V Citation	tegory	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.G.4.a.2.a	Recordkeeping		Copies of all written and audiovisual materials used in the training, the dates of each class, the names of the participants in each class, and documentation that all appropriate personnel have successfully completed the training required under Condition IV.27.b.1) above;	Records Review	Y	C	
V.G.4.a.2.b	Recordkeeping		The records required to be maintained by the plan provisions implementing Condition IV.27.b.6) above;	Records Review	Y	C	
V.G.4.a.2.c	Recordkeeping		Records resulting from audits of the effectiveness of the work practice program for the particular emission point, as required in Conditions IV.27.b.2)a), IV.27.b.3)a), IV.27.b.4)a) or IV.27.b.5)a) above; and	Records Review	Y	C	
V.G.4.a.2.d	Recordkeeping		If the plan provisions for coke oven doors must be implemented, records of the inventory of doors and jambs as required under Condition IV.27.b.2)f) above; and	Records Review	Y	C	
V.G.4.a.3	Recordkeeping		The design drawings and engineering specifications for the bypass/bleeder stack flare system or approved alternative control device or system as required under Conditions V.G.1.a through V.G.1.e above.	Records Review	Y	C	
V.G.4.a.4	Recordkeeping		Records specified in Condition V.G.6.g below regarding the basis of each malfunction notification.	Records Review	Y	C	
V.G.4.b	Recordkeeping	§2103.12.j; §2103.12.h.6; §63.7342(a)	The permittee shall keep the following records:	Administrative Requirement	Y	C	
V.G.4.b.1	Recordkeeping		A copy of each notification and report that was submitted to comply with this subpart, including all documentation supporting any initial notification or notification of compliance status that you submitted, according to the requirements in §63.10(b)(2)(xiv).	Records Review	Y	C	
V.G.4.b.2	Recordkeeping		The records in §63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction.	Records Review	Y	C	
V.G.4.b.3	Recordkeeping		Records of performance tests, performance evaluations, and opacity observations as required in §63.10(b)(2)(viii).	Records Review	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.G.4.c	Recordkeeping	§2103.12.j; §2103.12.h.6; §63.7342(b)	For each COMS or CEMS, the permittee shall keep the following records.	Administrative Requirement	Y	C	
V.G.4.c.1	Recordkeeping		Records described in §63.10(b)(2)(vi) through (xi).	Records Review	Y	C	
V.G.4.c.2	Recordkeeping		Monitoring data for COMS during a performance evaluation as required in §63.6(h)(7)(i) and (ii).	Records Review	Y	C	
V.G.4.c.3	Recordkeeping		Previous (that is, superceded) versions of the performance evaluation plan as required in §63.8(d)(3).	Records Review	Y	C	
V.G.4.c.4	Recordkeeping		Records of the date and time that each deviation started and stopped, and whether the deviation occurred during a period of startup, shutdown, or malfunction or during another period.	Records Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.G.4.d	Recordkeeping	§2103.12.j; §2103.12.h.6; §63.7342(c)	The permittee shall keep the records in §63.6(h)(6) for visual observations.	Records Review	Y	C	
V.G.4.e	Recordkeeping	§2103.12.j; §2103.12.h.6; §63.7342(d)	The permittee shall keep the records required in Conditions V.G.3.p above and V.G.4.k below to show continuous compliance with each emission limitation, work practice standard, and operation and maintenance requirement that applies to you.	Records Review	Y	C	
V.G.4.f	Recordkeeping	§2103.12.j; §2103.12.h.6; §63.7343(a)	The permittee shall keep records in a form suitable and readily available for expeditious review, according to §63.10(b)(1).	Records Review	Y	C	
V.G.4.g	Recordkeeping	§2103.12.j; §2103.12.h.6; §63.7343(b)	As specified in §63.10(b)(1), the permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.	Records Review	Y	C	
V.G.4.h	Recordkeeping	§2103.12.j; §2103.12.h.6; §63.7343(c)	The permittee shall keep each record on site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1). You can keep the records offsite for the remaining 3 years.	Records Review	Y	C	
V.G.4.i	Recordkeeping	§2103.12.j; 63.7335(a)	For each by-product coke oven battery, the permittee must demonstrate continuous compliance with the operation and maintenance requirements in V.G.3.i above by adhering at all times to the plan requirements and recording all information needed to document conformance.	Records Review	Y	C	
V.G.4.j	Recordkeeping	§2103.12.j; 63.7335(d)	The permittee shall maintain a current copy of the operation and maintenance plans required in V.G.3.i onsite and available for inspection upon request. The plans shall be kept for the life of the affected source or until the affected source is no longer subject to the requirements of 40 CFR Part 63, Subpart CCCCC.	Records Review	Y	C	
V.G.4.k	Recordkeeping	§2103.12.j; §2103.12.h.6; §63.7334(d)	The permittee must demonstrate continuous compliance to the work practice standard for soaking in V.G.6.k below, by maintaining records that document conformance with requirements in V.G.6.k.1) through V.G.6.k.5) below.	Records Review	Y	C	
V.G.5.a	Reporting	§2103.12.k; §2109.03 and Enforcement Order 202.E, 3/28/90	No later than twenty (20) days after the end of each month, a written report of a summary of the following during each such month shall be submitted to the Department:	Records Review	Y	C	
V.G.5.a.1	Reporting		For all coke batteries combined, the daily average for the month of:	Records Review	Y	C	
V.G.5.a.1.a	Reporting		Coal charged, in tons;	Records Review	Y	C	
V.G.5.a.1.b	Reporting		Coke produced, in tons;	Records Review	Y	C	
V.G.5.a.1.c	Reporting		Total coke oven gas produced; in MMCF;	Records Review	Y	C	
V.G.5.a.1.d	Reporting		Quench water used, in gallons;	Records Review	Y	C	
V.G.5.a.1.e	Reporting		Elemental sulfur produced, in tons;	Records Review	Y	C	

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V.G.5.a.1.f	Reporting		Sulfur content of coal, in percent; and	Records Review	Y	C	
V.G.5.a.1.g	Reporting		Sulfur content of coke, in percent.	Records Review	Y	C	
V.G.5.a.2	Reporting		For all periods during which contaminated quench water was used:	Records Review	Y	C	
V.G.5.a.2.a	Reporting		The batteries affected;	Records Review	Y	C	
V.G.5.a.2.b	Reporting		The starting and ending dates and times;	Records Review	Y	C	
V.G.5.a.2.c	Reporting		The total time of each period, and total for the month, to the nearest tenth of an hour;	Records Review	Y	C	
V.G.5.a.2.d	Reporting		The corresponding Department Breakdown Number;	Records Review	Y	C	
V.G.5.a.2.e	Reporting		The average flow rates of contaminated water to both the quench towers and the water treatment plant during the period, each in gallons per minute; and	Records Review	Y	C	
V.G.5.a.2.f	Reporting		The reason(s) or cause(s) for each period.	Records Review	Y	C	
V.G.5.b	Reporting	§2103.12.k; Enforcement Order No. 161, July 23, 1990	No later than twenty (20) days after the end of each month, a written report of a summary of the following for Coke Battery B combustion stack continuous opacity monitoring system, during each such month shall be submitted to the Department:	Records Review	Y	C	
V.G.5.b.1	Reporting		The monthly average percent availability (on-line time), based on total minutes of coke operations and total minutes available;	Records Review	Y	C	
V.G.5.b.2	Reporting		The daily percentage available;	Records Review	Y	C	
V.G.5.b.3	Reporting		The number of days on which there was less than 100% availability;	Records Review	Y	C	
V.G.5.b.4	Reporting		For each of the coke oven combustion stack visible emission standards set forth in §2105.21.f.3 & f.4, the total number of hours for the month, and the number of hours each day, during which an exceedance of such standard was measured by such continuous opacity monitor;	Records Review	Y	C	
V.G.5.b.5	Reporting		The number and nature of tests, calibrations, and any other quality assurance activities performed; and	Records Review	Y	C	
V.G.5.b.6	Reporting		The dates, times and results of all such activities.	Records Review	Y	C	
V.G.5.c	Reporting	§2103.12.k; §2103.12.h.6; §63.311(d)	The permittee shall include the following information in the semiannual compliance certification:	Records Review	Y	C	
V.G.5.c.1	Reporting		Certification, signed by the permittee, that no coke oven gas was vented, except through the bypass/bleeder stack flare system during the reporting period or that a venting report has been submitted according to the requirements in Condition V.G.5.d below.	Records Review	Y	C	
V.G.5.c.2	Reporting		Certification, signed by the permittee, that a startup, shutdown, or malfunction event did not occur for a coke oven battery during the reporting period or that a startup, shutdown, and malfunction event did occur and a report was submitted according to the requirements in Condition V.G.5.d below; and	Records Review	Y	C	

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				Method	Y/N	Type C/I	
V.G.5.c.3	Reporting		Certification, signed by the permittee, that work practices were implemented if applicable under Condition IV.27 above.	Records Review	Y	C	
V.G.5.d	Reporting	§2103.12.k; §2103.12.h.6; §63.311(e)	The permittee shall report any venting of coke oven gas through a bypass/bleeder stack that was not vented through the bypass/bleeder stack flare system to the Department as soon as practicable but no later than 24 hours after the beginning of the event. A written report shall be submitted within 30 days of the event and shall include a description of the event and, if applicable, a copy of the notification for a hazardous substance release required pursuant to 40 CFR §302.6.	Records Review	Y	C	
V.G.5.e	Reporting	§2103.12.k; §2103.12.h.6; §63.310(d)	In order for the provisions of §63.10(i) to apply with respect to the observation (or set of observations) for a particular day, notification of a startup, shutdown, or a malfunction shall be made by the permittee as follows:	Records Review	Y	C	
V.G.5.e.1	Reporting		f practicable, to the certified observer if the observer is at the facility during the occurrence; or	Records Review	Y	C	
V.G.5.e.2	Reporting		To the Department, in writing, within 24 hours of the occurrence first being documented by a company employee, and if the notification was not made, an explanation of why no such notification was made.	Records Review	Y	C	
V.G.5.f	Reporting	§2103.12.k; §2103.12.h.6; §63.310(e)	Within 14 days of the notification made in accordance with condition §63.310(d), or after a startup or shutdown, the permittee shall submit a written report to the Department that:	Records Review	Y	C	
V.G.5.f.1	Reporting		Describes the time and circumstances of the startup, shutdown, or malfunction; and	Records Review	Y	C	
V.G.5.f.2	Reporting		Describes actions taken that might be considered inconsistent with the startup, shutdown, or malfunction plan.	Records Review	Y	C	
V.G.5.g	Reporting	§2103.12.k; Consent Order Agreement (COA), Third Amendment, July 6, 2011, Condition V.b	The permittee shall submit to the Department a Semi-Annual Deviation Repots for all deviations from Article XXI §2105.21(e)(4) and (e)(5) for Battery B.	Records Review	Y	C	

Title V Citation	egory	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.G.5.h	Reporting	§2103.12.k; §2103.12.h.6; §63.7336(a)	The permittee shall report each instance in which each emission limitation in Conditions V.G.1.t and V.G.1.u was not met. This includes periods of startup, shutdown, and malfunction. The permittee shall also report each instance in which the permittee did not meet each work practice standard or operation and maintenance requirement in Conditions V.G.6.k, V.G.6.l and V.G.6.m. These instances are deviations from the emission limitations (including operating limits), work practice standards, and operation and maintenance requirements in this 40 CFR Part 63, Subpart CCCCC. These deviations must be reported according to the requirements in V.G.5.l through V.G.5.p below.	Records Review	Y	C	
V.G.5.i	Reporting	§2103.12.k; §2103.12.h.6; §63.7336(b)	During periods of startup, shutdown, and malfunction, you must operate in accordance with your startup, shutdown, and malfunction plan.	Records Review	Y	C	
V.G.5.i.1	Reporting		Consistent with §63.6(e) and 63.7(e)(1), deviations that occur during a period of startup, shutdown, or malfunction are not violations if you demonstrate to the Department's satisfaction that you were operating in accordance with the startup, shutdown, and malfunction plan.	Records Review	Y	C	
V.G.5.i.2	Reporting		The Department will determine whether deviations that occur during a period of startup, shutdown, or malfunction are violations, according to the provisions in §63.6(e).	Records Review	Y	C	
V.G.5.j	Reporting	§2103.12.k; §2103.12.h.6; §63.7340(a)	The permittee shall submit all of the notifications in §63.6(h)(4) and (5), 63.7(b) and (c), 63.8(e) and (f)(4), and 63.9(b) through (h) that apply to you by the specified dates.	Records Review	Y	C	
V.G.5.k	Reporting	[§2103.12.k; §2103.12.h.6; §63.7340(d)	If you are required to conduct a performance test, the permittee shall submit a notification of intent to conduct a performance test at least 60 calendar days before the performance test is scheduled to begin as required in §63.7(b)(1).	Records Review	Y	C	
V.G.5.l	Reporting	§2103.12.k; §2103.12.h.6; §63.7341(a)	Unless the Department has approved a different schedule, the permittee must submit quarterly compliance reports for battery stacks to the Department according to the requirements in Conditions V.G.5.l.1) and V.G.5.l.2) below:	Records Review	Y	C	
V.G.5.l.1	Reporting		Each quarterly compliance report for battery stacks shall be submitted in accordance with General Condition III.15.e above.	Records Review	Y	C	
V.G.5.l.2	Reporting		All quarterly compliance reports for battery stacks must be postmarked or delivered no later than one calendar month following the end of the quarterly reporting period.	Records Review	Y	C	
V.G.5.m	Reporting	§2103.12.k; §2103.12.h.6; §63.7341(b)	Each quarterly report must provide information on compliance with the emission limitations for battery stacks in V.G.1.t above. The reports must include the information in Conditions V.G.5.n.1) through V.G.5.n.3) below, and as applicable, Conditions V.G.5.n.4) through V.G.5.n.8) below.	Records Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type C/I	Comments
V.G.5.n	Reporting	§2103.12.k; §2103.12.h.6; §63.7341(c)	Each semiannual compliance report must provide information on compliance with the emission limitations, work practice standards, and operation and maintenance requirements for all affected sources except battery stacks. The reports must include the information in V.G.5.n.1) through V.G.5.n.3) below, and as applicable, Conditions V.G.5.n.4) through V.G.5 n.8) below.	Records Review	Y	C	
V.G.5.n.1	Reporting		Company name and address.	Records Review	Y	C	
V.G.5.n.2	Reporting		Statement by a responsible official, with the official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.	Records Review	Y	C	
V.G.5.n.3	Reporting		Date of report and beginning and ending dates of the reporting period.	Records Review	Y	C	
V.G.5.n.4	Reporting		If there was a startup, shutdown, or malfunction during the reporting period and the permittee took actions consistent with the startup, shutdown, and malfunction plan, the compliance report must include the information in §63.10(d)(5)(i).	Records Review	Y	C	
V.G.5.n.5	Reporting		If there were no deviations from the continuous compliance requirements in V.G.3.p above for battery stacks, a statement that there were no deviations from the emission limitations during the reporting period.	Records Review	Y	C	
V.G.5.n.6	Reporting		If there were no periods during which a continuous monitoring system (including COMS, continuous emission monitoring system (CEMS), or CPMS) was out-of-control as specified in §63.8(c)(7), a statement that there were no periods during which a continuous monitoring system was out-of-control during the reporting period.	Records Review	Y	C	
V.G.5.n.7	Reporting		For each deviation from an emission limitation in 40 CFR 63, Subpart CCCCC and for each deviation from the requirements for work practice standards in this 40 CFR Part 63, Subpart CCCCC that occurs at an affected source where the permittee is not using a continuous monitoring system (including a COMS, CEMS, or CPMS) to comply with the emission limitations in this subpart, the compliance report must contain the information in Conditions V.G.5.n.4), V.G.5.n.7)a) and V.G.5.n.7)b) below. This includes periods of startup, shutdown, and malfunction.	Records Review	Y	C	
V.G.5.n.7.a	Reporting		The total operating time of each affected source during the reporting period.	Records Review	Y	C	
V.G.5.n.7.b	Reporting		Information on the number, duration, and cause of deviations (including unknown cause, if applicable) as applicable and the corrective action taken.	Records Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type C/I	Comments
V.G.5.n.8	Reporting		For each deviation from an emission limitation occurring at an affected source where the permittee is using a continuous monitoring system (including COMS, CEMS, or CPMS) to comply with the emission limitation 40 CFR 63, Subpart CCCCC, the permittee must include the information in Conditions V.G.5.n.4), V.G.5.n.8)a) through V.G.5.n.8)l) below. This includes periods of startup, shutdown, and malfunction.	Records Review	Y	C	
V.G.5.n.8.a	Reporting		The date and time that each malfunction started and stopped.	Records Review	Y	C	
V.G.5.n.8.b	Reporting		The date and time that each continuous monitoring system (including COMS, CEMS, or CPMS) was inoperative, except for zero (low-level) and high-level checks.	Records Review	Y	C	
V.G.5.n.8.c	Reporting		The date, time, and duration that each continuous monitoring system (including COMS, CEMS, or CPMS) was out-of-control, including the information in §63.8(c)(8).	Records Review	Y	C	
V.G.5.n.8.d	Reporting		The date and time that each deviation started and stopped, and whether each deviation occurred during a period of startup, shutdown, or malfunction or during another period.	Records Review	Y	C	
V.G.5.n.8.e	Reporting		A summary of the total duration of the deviation during the reporting period and the total duration as a percent of the total source operating time during that reporting period.	Records Review	Y	C	
V.G.5.n.8.f	Reporting		A breakdown of the total duration of the deviations during the reporting period into those that are due to startup, shutdown, control equipment problems, process problems, other known causes, and other unknown causes.	Records Review	Y	C	
V.G.5.n.8.g	Reporting		A summary of the total duration of continuous monitoring system downtime during the reporting period and the total duration of continuous monitoring system downtime as a percent of the total source operating time during the reporting period.	Records Review	Y	C	
V.G.5.n.8.h	Reporting		An identification of each HAP that was monitored at the affected source.	Records Review	Y	C	
V.G.5.n.8.i	Reporting		A brief description of the process units.	Records Review	Y	C	
V.G.5.n.8.j	Reporting		A brief description of the continuous monitoring system.	Records Review	Y	C	
V.G.5.n.8.k	Reporting		The date of the latest continuous monitoring system certification or audit.	Records Review	Y	C	
V.G.5.n.8.l	Reporting		A description of any changes in continuous monitoring systems, processes, or controls since the last reporting period.	Records Review	Y	C	
V.G.5.o	Reporting	§2103.12.k; §2103.12.h.6; §63.7341(d)	If the permittee had a startup, shutdown, or malfunction during the semiannual reporting period that was not consistent with your startup, shutdown, and malfunction plan, you must submit an immediate startup, shutdown, and malfunction report according to the requirements in §63.10(d)(5)(ii).	Records Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type C/I	Comments
V.G.5.p	Reporting	§2103.12.k; §2103.12.h.6; §63.7341(e)	If the permittee submits a compliance report for an affected source along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A), and the compliance report includes all the required information concerning deviations from any emission limitation or work practice standard in 40 CFR Part 63, Subpart CCCCC, submission of the compliance report satisfies any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report does not otherwise affect any obligation you may have to report deviations from permit requirements to the Department.	Records Review	Y	C	
V.G.6.a	Work Practices	§2105.06; RACT Plan 234	Coke Oven Battery B shall be properly maintained and operated at all times according to good engineering and air pollution control practices.	Engineering Judgment/ Records Review	Y	C	
V.G.6.b	Work Practices	§2103.12.h.6; §63.306	The permittee shall comply with the provisions of the applicable workpractice requirements in Site level Condition IV.27.a above.	Check Condition	Y	C	
V.G.6.c	Work Practices	§2103.12.h.6; §63.310(b)	The permittee shall develop and implement according to Condition V.G.6.d below, a written startup, shutdown, and malfunction plan that describes procedures for operating the battery, including associated air pollution control equipment, during a period of a startup, shutdown, or malfunction in a manner consistent with good air pollution control practices for minimizing emissions, and procedures for correcting malfunctioning process and air pollution control equipment as quickly as practicable. All the provisions of Site Level Condition IV.8 above remain applicable and are not superceded by operating in accordance with the startup, shutdown, and malfunction plan.	Records Review	Y	C	
V.G.6.d	Work Practices	§2103.12.h.6; §63.310(c)	During a period of startup, shutdown, or malfunction the permittee shall:	Administrative Requirement	Y	C	
V.G.6.d.1	Work Practices		Operate the battery (including associated air pollution control equipment) in accordance with the procedure specified in the startup, shutdown, and malfunction plan; and	Records Review	Y	C	
V.G.6.d.2	Work Practices		Correct malfunctions as soon as practicable after their occurrence, in accordance with the plan.	Records Review	Y	C	
V.G.6.e	Work Practices	§2103.12.h.6; §63.310(d)	In order for the provisions of Condition V.G.6.j below to apply with respect to the observation (or set of observations) for a particular day, notification of a startup, shutdown, or a malfunction shall be made by the permittee:	Administrative Requirement	Y	C	
V.G.6.e.1	Work Practices		If practicable, to the certified observer if the observer is at the facility during the occurrence; or	Records Review	Y	C	

Title V Citation	egory	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.G.6.e.2	Work Practices		To the Department, in writing, within 24 hours of the occurrence first being documented by a company employee, and if the notification under Condition V.G.6.e.1) above was not made, an explanation of why no such notification was made.	Records Review	Y	C	
V.G.6.f	Work Practices	§2103.12.h.6; §63.310(e)	Within 14 days of the notification made under Condition V.G.6.e above, or after a startup or shutdown, the permittee shall submit a written report to the Department that:	Records Review	Y	C	
V.G.6.f.1	Work Practices		Describes the time and circumstances of the startup, shutdown, or malfunction; and	Records Review	Y	C	
V.G.6.f.2	Work Practices		Describes actions taken that might be considered inconsistent with the startup, shutdown, or malfunction plan.	Records Review	Y	C	
V.G.6.g	Work Practices	§2103.12.h.6; §63.310(f)	The permittee shall maintain a record of internal reports which form the basis of each malfunction notification under Condition V.G.6.e above.	Records Review	Y	C	
V.G.6.h	Work Practices	§2103.12.h.6; §63.310(g)	To satisfy the requirements of §63.310 to develop a startup, shutdown, and malfunction plan, the permittee may use the standard operating procedures manual for the battery, provided the manual meets all the requirements in §63.310 and is made available for inspection at reasonable times when requested by the Department.	Administrative Requirement	Y	C	
V.G.6.i	Work Practices	§2103.12.h.6; §63.310(h)	The Department may require reasonable revisions to a startup, shutdown, and malfunction plan, if the Department finds that the plan:	Administrative Requirement	Y	C	
V.G.6.i.1	Work Practices		Does not address a startup, shutdown, or malfunction event that has occurred;	Administrative Requirement	Y	C	
V.G.6.i.2	Work Practices		Fails to provide for the operation of the source (including associated air pollution control equipment) during a startup, shutdown, or malfunction event in a manner consistent with good air pollution control practices for minimizing emissions; or	Administrative Requirement	Y	C	
V.G.6.i.3	Work Practices		Does not provide adequate procedures for correcting malfunctioning process and/or air pollution control equipment as quickly as practicable.	Administrative Requirement	Y	C	
V.G.6.j	Work Practices	§2103.12.h.6; §63.310(i)	If the permittee demonstrates to the satisfaction of the Department that a startup, shutdown, or malfunction has occurred, then an observation occurring during such startup, shutdown, or malfunction shall not:	Administrative Requirement	Y	C	
V.G.6.j.1	Work Practices		Constitute a violation of relevant requirements of 40 CFR 63, Subpart L;	Administrative Requirement	Y	C	
V.G.6.j.2	Work Practices		Be used in any compliance determination under §63.309; or	Administrative Requirement	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance Method	Compliance Y/N	Compliance Type C/I	Comments
V.G.6.j.3	Work Practices		Be considered for purposes of Condition IV.27 above, until the Department has resolved the claim that a startup, shutdown, or malfunction has occurred. If the Department determines that a startup, shutdown, or malfunction has not occurred, such observations may be used for purposes of Condition IV.27 above, regardless of whether the permittee further contests such determination. The permittee's receipt of written notification from the Department that a startup, shutdown, or malfunction has not occurred will serve, where applicable under Condition IV.27 above, as written notification from the certified observer that an exceedance has occurred.	Administrative Requirement	Y	C	
V.G.6.k	Work Practices	§2103.12.h.6; §63.7294(a)	The permittee shall prepare and operate at all times according to a written work practice plan for soaking. Each plan must include measures and procedures to:	Records Review	Y	C	
V.G.6.k.1	Work Practices		Train topside workers to identify soaking emissions that require corrective actions.	Records Review	Y	C	
V.G.6.k.2	Work Practices		Damper the oven off the collecting main prior to opening the standpipe cap.	Records Review	Y	C	
V.G.6.k.3	Work Practices		Determine the cause of soaking emissions that do not ignite automatically, including emissions that result from raw coke oven gas leaking from the collecting main through the damper, and emissions that result from incomplete coking.	Records Review	Y	C	
V.G.6.k.4	Work Practices		If soaking emissions are caused by leaks from the collecting main, take corrective actions to eliminate the soaking emissions. Corrective actions may include, but are not limited to, reseating the damper, cleaning the flushing liquor piping, using aspiration, putting the oven back on the collecting main, or igniting the emissions.	Records Review	Y	C	
V.G.6.k.5	Work Practices		If soaking emissions are not caused by leaks from the collecting main, notify a designated responsible party. The responsible party must determine whether the soaking emissions are due to incomplete coking. If incomplete coking is the cause of the soaking emissions, you must put the oven back on the collecting main until it is completely coked or you must ignite the emissions.	Records Review	Y	C	
V.G.6.l	Work Practices	§2103.12.h.6; §63.7294(b)	As provided in §63.6(g), the permittee may request to use an alternative to the work practice standard for soaking in Condition V.G.6.k above. [§2103.12.h.6; §63.7294(b)]	Administrative Requirement	Y	C	
V.G.6.m	Work Practices	§2103.12.h.6; §63.7310(a)	The permittee shall be in compliance with the emission limitations, work practice standards, and operation and maintenance requirements of 40 CFR 63, Subpart CCCCC at all times, except during periods of startup, shutdown, and malfunction as defined in §63.2. [§2103.12.h.6; §63.7310(a)]	Records Review	Y	C	
V.G.7.a	Additional Requirements		The definitions in 40 CFR 63.7352 are hereby incorporated into this permit by reference.	Administrative Requirement	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.H.1.a	Restrictions	[§2105.21.e]	The permittee shall not operate, or allow to be operated, Battery B coke ovens unless there is installed on the battery a pushing emission control system baghouse which is designed to reduce fugitive emissions from pushing to the minimum attainable through the use of BACT, nor shall the permittee operate, or allow to be operated Battery B coke ovens in such manner that:	Engineering Judgement	Y	C	
V.H.1.a.1	Restrictions	[§2105.21.e.3.E; Consent Order Agreement, Condition #13]	At any time, the particulate mass emission rate from the pushing emission control system device, for Battery B exceeds a rate determined by an outlet concentration of 0.040 pounds per ton of coke.	Direct Measurement/Records Review	Y	C	
V.H.1.a.2	Restrictions	[§2105.21.e.4]	Fugitive pushing emissions or emissions from the pushing emission control system device outlet equal or exceed an opacity of 20% at any time, except if the Department determines in writing, upon written application from the person responsible for the coke ovens setting forth all information needed to make such determination, that such emissions are of only minor significance with respect to causing air pollution and do not prevent or interfere with the attainment or maintenance of any ambient air quality standard (any such determination shall be submitted as a proposed revision to Allegheny County's portion of the SIP).	Physical Inspection/Procedures	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.H.1.b	Restrictions	[§2105.03]	The permittee shall not operate, or allow to be operated Battery B, unless the PEC System baghouse is properly installed, operated and maintained according to the following conditions, at all times:	Engineering Judgement	Y	C	
V.H.1.b.1	Restrictions		Emissions due to the pushing of Battery B coke ovens shall be vented through the PEC System baghouse dust collector.	Engineering Judgement	Y	C*	Except as identified in the attached Deviation Report as previously provided to the Department on January 30, 2013.
V.H.1.b.2	Restrictions		The baghouse shall be equipped with automatic cleaning controls and instrumentation that shall continuously measure the differential pressure drop across the baghouse to within 5.0% of the measuring span of the device.	Engineering Judgement	Y	C	
V.H.1.b.3	Restrictions		Cleaning, maintenance, etc. shall be conducted as necessary when the pressure drop goes beyond the specified range.	Records Review	Y	C	
V.H.1.c	Restrictions	[§2103.12.h.6; §63.7290(a)]	The permittee shall not discharge to the atmosphere emissions of particulate matter from a control device applied to pushing emissions from a coke oven battery that exceed 0.01 grain per dry standard cubic foot (gr/dscf).	Direct Measurement/Records Review	Y	C	
V.H.1.d	Restrictions	[§2103.12.h.6; §63.7290(b)(3)]	For each PEC System the permittee shall:	Administrative Requirement	Y	C	
V.H.1.d.1	Restrictions		Maintain the daily average fan motor amperes at 15 or above the minimum level established during the most recent performance test; or	Process Knowledge/Records Review	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
V.H.1.d.2	Restrictions		Maintain the daily average volumetric flow rate at the inlet of the control device at or above the minimum level established during the initial performance test.	Process Knowledge/Records Review	NA		
V.H.1.e	Restrictions	[§2103.12.h.6; §63.7333 (a)]	For each control device applied to pushing emissions and subject to the emission limit in V.H.1.c above, the permittee shall demonstrate continuous compliance by meeting the requirements in Conditions V.H.1.e.(1) and V.H.1.e.2) below:	Engineering Judgement	Y	C	
V.H.1.e.1	Restrictions		Maintaining emissions of particulate matter at or below 0.01 grain per dry standard cubic foot (gr/dscf) ; and	Direct Measurement/Records Review	Y	C	
V.H.1.e.2	Restrictions		Conducting subsequent performance tests to demonstrate continuous compliance no less frequently than once every two years.	Records Review	Y	C	
V.H.1.f	Restrictions	[§2105.21.e.3; §2105.03]	Emissions from Battery B PEC System baghouse shall not exceed the limits listed in Table V-H- 1 at any time:	Direct Measurement/Emission Calcs	Y	C	
V.H.1.f	Restrictions		**POLLUTANT LB/TON-COKE HOURLY(lb/hr)**		Y	C	
V.H.1.f	Restrictions		PM 0.040 5.28 23.14		Y	C	
V.H.1.f	Restrictions		PM-10 0.040 5.28 23.14		Y	C	
V.H.1.f	Restrictions		A year is defined as any consecutive 12-month period.		Y	C	
V.H.2.a	Testing	[§2108.02; Consent Order, 6/01/2007, #13; §63.7321]	The permittee shall have baghouse particulate emission stack tests conducted to demonstrate compliance with Condition V.H.1.a.1) above. The test shall be conducted once every two years using EPA Methods No.1 through No.5 and performed according to Site Level Condition IV.13.	Records Review	Y	C	
V.H.2.b	Testing	[§2108.02]	Visible emissions observations of the baghouse stack exhaust and fugitive pushing emissions shall be conducted at least once every two years, as specified in Section 109 of the Department's source testing manual, and be done simultaneously with the baghouse stack tests.	Records Review	Y	C	
V.H.2.c	Testing	[§2103.12.h.6; §63.7322(a)]	The permittee shall conduct each performance test according to the requirements in Condition V.H.2.d.	Records Review	Y	C	
V.H.2.d	Testing	[§2103.12.h.6; §63.7322(b)]	To determine compliance with the process weighted mass rate of particulate matter (lb/ton of coke) in Condition V.H.1.c above use the following test methods and procedures:	Engineering Judgement	Y	C	
V.H.2.d.1	Testing	[§2103.12.h.6; §63.7322(b)(1)]	Determine the concentration of particulate matter according to the following test methods in Appendix A to 40 CFR Part 60.	Records Review	Y	C	
V.H.2.d.1.a	Testing		Method 1 to select sampling port locations and the number of traverse points. Sampling sites must be located at the outlet of the control device and prior to any releases to the atmosphere.	Records Review	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
V.H.2.d.1.b	Testing		Method 2, 2F, or 2G to determine the volumetric flow rate of the stack gas.	Records Review	Y	C	
V.H.2.d.1.c	Testing		Method 3, 3A, or 3B to determine the dry molecular weight of the stack gas.	Records Review	Y	C	
V.H.2.d.1.d	Testing		Method 4 to determine the moisture content of the stack gas.	Records Review	Y	C	
V.H.2.d.1.e	Testing		Method 5 or 5D, as applicable, to determine the concentration of front half particulate matter in the stack gas.	Records Review	Y	C	
V.H.2.d.2	Testing	[§2103.12.h.6; §63.7322(b)(2)]	During each particulate matter test run, sample only during periods of actual pushing when the capture system fan and control device are engaged. Collect a minimum sample volume of 50 dry standard cubic feet of gas during each test run. Three valid test runs are needed to comprise a performance test. Each run must start at the beginning of a push and finish at the end of a push (i.e., sample for an integral number of pushes) .	Records Review	Y	C	
V.H.2.d.3	Testing	[§2103.12.h.6; §63.7322(b)(3)]	Determine the total combined weight in tons of coke pushed during the duration of each test run according to the procedures in your source test plan for calculating coke yield from the quantity of coal charged to an individual oven.	Records Review	Y	C	
V.H.2.d.4	Testing	[§2103.12.h.6; §63.7322(b)(4)]	Compute the process-weighted mass emissions (E_p) for each test run using Equation 1 of this section as follows: Ep = (C*Q*T) / (P*K) Where: Ep = Process weighted mass emissions of particulate matter, lb/ton; C = Concentration of particulate matter, gr/dscf; Q = Volumetric flow rate of stack gas, dscf/hr; T = Total time during a run that a sample is withdrawn from the stack during pushing, hr; P = Total amount of coke pushed during the test run, tons; and K = Conversion factor, 7,000 gr/lb	Records Review	Y	C	
V.H.2.e	Testing	[§2103.12.h.6; §63.7323(c)]	For each capture system applied to pushing emissions, the permittee shall establish a site-specific operating limit for the fan motor amperes or volumetric flow rate according to the procedures in Condition V.H.2.e.(1) or (2) below:	Engineering Judgement	Y	C	
V.H.2.e.1	Testing		If you elect the operating limit in V.H.1.d.1) above for fan motor amperes, measure and record the fan motor amperes during each push sampled for each particulate matter test run. Your operating limit is the lowest fan motor amperes recorded during any of the three runs that meet the emission limit.	Records Review	Y	C	
V.H.2.e.2	Testing		If you elect the operating limit in V.H.1.d.2) above for volumetric flow rate, measure and record the total volumetric flow rate at the inlet of the control device during each push sampled for each particulate matter test run. Your operating limit is the lowest volumetric flow rate recorded during any of the three runs that meet the emission limit.	Records Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
V.H.2.f	Testing	[§2103.12.h.6; §63.7323(e)]	The permittee may change the operating limit for a capture system if you meet the requirements in Conditions V.H.2.f.(1) through (3) below:	Engineering Judgement	Y	C	
V.H.2.f.1	Testing		Submit a written notification to the Department of your request to conduct a new performance test to revise the operating limit.	Report Submission	Y	C	
V.H.2.f.2	Testing		Conduct a performance test to demonstrate that emissions of particulate matter from the control device do not exceed the applicable limit in §63.7290(a).	Records Review	Y	C	
V.H.2.f.3	Testing		Establish revised operating limits according to the applicable procedures in Condition V.H.2.e above	Records Review	Y	C	
V.H.2.g	Testing	(§2103.12.h.1)	The Department reserves the right to require additional emissions testing sufficient to assure compliance with the terms and conditions of this permit. Such testing shall be performed in accordance with Site Level Condition IV.13 above and Article XXI §2108.02.	Administrative Requirement	Y	C	
V.H.3.a	Monitoring	[§2103.12.i; §2103.12.h.1 and §2103.12.j]	The permittee shall continuously monitor and record the differential pressure drop across each baghouse module.	Direct Measurement	Y	C	
V.H.3.b	Monitoring	[§2103.12.i; §2103.12.h.1 and §2103.12.j]	The permittee shall inspect the Battery B PEC System weekly to insure compliance with conditions V.H.1.b above.	Records Review	Y	C	
V.H.3.c	Monitoring	[§2103.12.i; 63.7291(a)]	The permittee shall meet each of the following requirements in paragraphs V.H.3.c.1) through V.H.3.c.6) below for each coke oven battery.	Administrative Requirement	Y	C	
V.H.3.c.1	Monitoring		Observe and record the opacity of fugitive pushing emissions from each oven at least once every 90 days. If an oven cannot be observed during a 90-day period due to circumstances that were not reasonably avoidable, you must observe the opacity of the first push of that oven following the close of the 90-day period that is capable of being observed in accordance with the procedures in §63.7334(a), and you must document why the oven was not observed within a 90-day period. All opacity observations of fugitive pushing emissions for batteries with vertical flues must be made using the procedures in §63.7334(a).	Physical Inspection/Records Review	Y	C	
V.H.3.c.2	Monitoring		Observe and record the opacity of fugitive pushing emissions for at least four consecutive pushes per battery each day. Exclude any push during which the observer's view is obstructed or obscured by interferences and observe the next available push to complete the set of four pushes. If necessary due to circumstances that were not reasonably avoidable, you may observe fewer than four consecutive pushes in a day; however, you must observe and record as many consecutive pushes as possible and document why four consecutive pushes could not be observed. You may observe and record one or more non-consecutive pushes in addition to any consecutive pushes observed in a day.	Physical Inspection/Records Review	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.H.3.c.3	Monitoring		Do not alter the pushing schedule to change the sequence of consecutive pushes to be observed on any day. Keep records indicating the legitimate operational reason for any change in your pushing schedule which results in a change in the sequence of consecutive pushes observed on any day.	Records Review	Y	C	
V.H.3.c.4	Monitoring		If the average opacity for any individual push exceeds 30 percent opacity for any short battery or 35 percent opacity for any tall battery, you must take corrective action and/or increase coking time for that oven. You must complete corrective action or increase coking time within either 10 calendar days or the number of days determined using Equation 1 of this section, whichever is greater: X = 0.55 * Y (Eq. 1) Where: X = Number of calendar days allowed to complete corrective action or increase coking time; and Y = Current coking time for the oven, hours. For the purpose of determining the number of calendar days allowed under Equation 1 of this section, day one is the first day following the day you observed an opacity in excess of 30 percent for any short battery or 35 percent for any tall battery. Any fraction produced by Equation 1 of this section must be counted as a whole day. Days during which the oven is removed from service are not included in the number of days allowed to complete corrective action.	Records Review	Y	C	
V.H.3.c.5	Monitoring		The permittee shall demonstrate that:	Administrative Requirement	Y	C	
V.H.3.c.5.a	Monitoring		The corrective action and/or increased coking time was successful. After a period of time no longer than the number of days allowed in condition V.H.3.c.4) above, observe and record the opacity of the first two pushes for the oven capable of being observed using the procedures in §63.7334(a). The corrective action and/or increased coking time was successful if the average opacity for each of the two pushes is 30 percent or less for a short battery or 35 percent or less for a tall battery. If the corrective action and/or increased coking time was successful, you may return the oven to the 90-day reading rotation described in condition V.H.3.c.1) above. If the average opacity of either push exceeds 30 percent for a short battery or 35 percent for a tall battery, the corrective action and/or increased coking time was unsuccessful, and you must complete additional corrective action and/or increase coking time for that oven within the number of days allowed in paragraph V.H.3.c.4) above.	Physical Inspection/Records Review	Y	C	

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				Method	Y/ N	Type C/I	
V.H.3.c.5.b	Monitoring		After implementing any additional corrective action and/or increased coking time required under condition V.H.3.c.5)a) or V.H.3.c.6)b) below, the permittee must demonstrate that corrective action and/or increased coking time was successful. After a period of time no longer than the number of days allowed in condition V.H.3.c.4) above, you must observe and record the opacity of the first two pushes for the oven capable of being observed using the procedures in §63.7334(a). The corrective action and/or increased coking time was successful if the average opacity for each of the two pushes is 30 percent or less for a short battery or 35 percent or less for a tall battery. If the corrective action and/or increased coking time was successful, you may return the oven to the 90-day reading rotation described in paragraph V.H.3.c.1) above. If the average opacity of either push exceeds 30 percent for a short battery or 35 percent for a tall battery, the corrective action and/or increased coking time was unsuccessful, and you must follow the procedures in paragraph V.H.3.c.5)c) below.	Physical Inspection/Records Review	Y	C	
V.H.3.c.5.c	Monitoring		If the corrective action and/or increased coking time was unsuccessful as described in condition V.H.3.c.5)b) above, the permittee must repeat the procedures in paragraph V.H.3.c.5)b) above until the corrective action and/or increased coking time is successful. You must report to the permitting authority as a deviation each unsuccessful attempt at corrective action and/or increased coking time under paragraph V.H.3.c.5)b) above.	Records Review	Y	C	
V.H.3.c.6	Monitoring		If at any time the permittee places an oven on increased coking time as a result of fugitive pushing emissions that exceed 30 percent for a short battery or 35 percent for a tall battery, you must keep the oven on the increased coking time until the oven qualifies for decreased coking time using one of the following procedures:	Physical Inspection/Records Review	Y	C	
V.H.3.c.6.a	Monitoring		To qualify for a decreased coking time for an oven placed on increased coking time in accordance with condition V.H.3.c.4) or V.H.3.c.5) above, you must operate the oven on the decreased coking time. After no more than two coking cycles on the decreased coking time, you must observe and record the opacity of the first two pushes that are capable of being observed using the procedures in §63.7334(a). If the average opacity for each of the two pushes is 30 percent or less for a short battery or 35 percent or less for a tall battery, you may keep the oven on the decreased coking time and return the oven to the 90-day reading rotation described in condition V.H.3.c.1) above. If the average opacity of either push exceeds 30 percent for a short battery or 35 percent for a tall battery, the attempt to qualify for a decreased coking time was unsuccessful. You must then return the oven to the previously established increased coking time, or implement other corrective action(s) and/or increased coking time.	Physical Inspection/Records Review	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
			If you implement other corrective action and/or a coking time that is shorter than the previously established increased coking time, you must follow the procedures in condition V.H.3.c.5)b) above to confirm that the corrective action(s) and/or increased coking time was successful.		Y	C	
V.H.3.c.6.b	Monitoring		If the attempt to qualify for decreased coking time was unsuccessful as described in condition V.H.3.c.6)a) above, you may again attempt to qualify for decreased coking time for the oven. To do this, you must operate the oven on the decreased coking time. After no more than two coking cycles on the decreased coking time, you must observe and record the opacity of the first two pushes that are capable of being observed using the procedures in §63.7334(a). If the average opacity for each of the two pushes is 30 percent or less for a short battery or 35 percent or less for a tall battery, you may keep the oven on the decreased coking time and return the oven to the 90-day reading rotation described in condition V.H.3.c.1) above. If the average opacity of either push exceeds 30 percent for a short battery or 35 percent for a tall battery, the attempt to qualify for a decreased coking time was unsuccessful. You must then return the oven to the previously established increased coking time, or implement other corrective action(s) and/or increased coking time.	Physical Inspection/Records Review	Y	C	
			If you implement other corrective action and/or a coking time that is shorter than the previously established increased coking time, you must follow the procedures in condition V.H.3.c.5)b) above to confirm that the corrective action(s) and/or increased coking time was successful.		Y	C	
V.H.3.c.6.c	Monitoring		The permittee must report to the permitting authority as a deviation the second and any subsequent consecutive unsuccessful attempts on the same oven to qualify for decreased coking time as described in paragraph V.H.3.c.6)b) above.	Administrative Requirement	Y	C	
V.H.3.d	Monitoring	[§2103.12.i; §2103.12.h.6; §63.7291(b)]	As provided in §63.6(g), the permittee may request to use an alternative to the work practice standards in Condition V.H.3.c above.	Administrative Requirement	Y	C	
V.H.3.e	Monitoring	[§2103.12.i; §2103.12.h.6; §63.7300(c)]	The permittee shall prepare and operate at all times according to a written operation and maintenance plan for each capture system and control device applied to pushing emissions from coke battery(s). Each plan must address at a minimum the following elements.	Administrative Requirement	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
V.H.3.e.1	Monitoring		Monthly inspections of the equipment that are important to the performance of the total capture system (e.g., pressure sensors, dampers, and damper switches). This inspection must include observations of the physical appearance of the equipment (e.g., presence of holes in ductwork or hoods, flow constrictions caused by dents or accumulated dust in ductwork, and fan erosion). In the event a defect or deficiency is found in the capture system (during a monthly inspection or between inspections), you must complete repairs within 30 days after the date that the defect or deficiency is discovered. If you determine that the repairs cannot be completed within 30 days, you must submit a written request for an extension of time to complete the repairs that must be received by the permitting authority not more than 20 days after the date that the defect or deficiency is discovered.	Physical Inspection/Records Review	Y	C	
			The request must contain a description of the defect or deficiency, the steps needed and taken to correct the problem, the interim steps being taken to mitigate the emissions impact of the defect or deficiency, and a proposed schedule for completing the repairs. The request shall be deemed approved unless and until such time as the permitting authority notifies you that it objects to the request. The permitting authority may consider all relevant factors in deciding whether to approve or deny the request (including feasibility and safety). Each approved schedule must provide for completion of repairs as expeditiously as practicable, and the permitting authority may request modifications to the proposed schedule as part of the approval process.		Y	C	
V.H.3.e.2	Monitoring		Preventative maintenance for each control device, including a preventative maintenance schedule that is consistent with the manufacturer's instructions for routine and long-term maintenance.	Records Review	Y	C	
V.H.3.e.3	Monitoring		Corrective action for all baghouses applied to pushing emissions. In the event a bag leak detection system alarm is triggered, you must initiate corrective action to determine the cause of the alarm within 1 hour of the alarm, initiate corrective action to correct the cause of the problem within 24 hours of the alarm, and complete the corrective action as soon as practicable. Actions may include, but are not limited to:	Process Knowledge	Y	C	
V.H.3.e.3.a	Monitoring		Inspecting the baghouse for air leaks, torn or broken bags or filter media, or any other condition that may cause an increase in emissions.	Physical Inspection/Procedures	Y	C	
V.H.3.e.3.b	Monitoring		Sealing off defective bags or filter media.	Process Knowledge	Y	C	
V.H.3.e.3.c	Monitoring		Replacing defective bags or filter media or otherwise repairing the control device.	Process Knowledge	Y	C	
V.H.3.e.3.d	Monitoring		Sealing off a defective baghouse compartment.	Process Knowledge	Y	C	
V.H.3.e.3.e	Monitoring		Cleaning the bag leak detection system probe, or otherwise repairing the bag leak detection system.	Process Knowledge	Y	C	
V.H.3.e.3.f	Monitoring		Shutting down the process producing the particulate emissions	Process Knowledge	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.H.3.f	Monitoring	[§2103.12.i; §2103.12.h.6; §63.7330(a)]	For the PEC system baghouse applied to pushing emissions from a coke oven battery, the permittee shall at all times monitor the relative change in particulate matter loadings using a bag leak detection system according to the requirements in V.H.3.g below and conduct inspections at their specified frequency according to the following requirements:	Direct Measurement/Records Review	Y	C	
V.H.3.f.1	Monitoring		Monitor the pressure drop across each baghouse cell each day to ensure pressure drop is within the normal operating range identified in the manual;	Direct Measurement/Records Review	Y	C	
V.H.3.f.2	Monitoring		Confirm that dust is being removed from hoppers through weekly visual inspections or equivalent means of ensuring the proper functioning of removal mechanisms;	Physical Inspection/Procedures	Y	C	
V.H.3.f.3	Monitoring		Check the compressed air supply for pulse-jet baghouses each day;	Physical Inspection/Procedures	Y	C	
V.H.3.f.4	Monitoring		Monitor cleaning cycles to ensure proper operation using an appropriate methodology;	Physical Inspection/Procedures	Y	C	
V.H.3.f.5	Monitoring		Check bag cleaning mechanisms for proper functioning through monthly visual inspection or equivalent means;	Physical Inspection/Procedures	Y	C	
V.H.3.f.6	Monitoring		Make monthly visual checks of bag tension on reverse air and shaker-type baghouses to ensure that bags are not kinked (kneed or bent) or laying on their sides. You do not have to make this check for shaker-type baghouses using self-tensioning (spring-loaded) devices;	Physical Inspection/Procedures	Y	C	
V.H.3.f.7	Monitoring		Confirm the physical integrity of the baghouse through quarterly visual inspections of the baghouse interior for air leaks; and	Physical Inspection/Procedures	Y	C	
V.H.3.f.8	Monitoring		Inspect fans for wear, material buildup, and corrosion through quarterly visual inspections, vibration detectors, or equivalent means.	Physical Inspection/Procedures	Y	C	
V.H.3.g	Monitoring	[§2103.12.i; §2103.12.h.6; §63.7331(a)]	The permittee shall install, operate, and maintain each bag leak detection system on the PEC baghouse system according to the following requirements:	Engineering Judgement	Y	C	
V.H.3.g.1	Monitoring		The system must be certified by the manufacturer to be capable of detecting emissions of particulate matter at concentrations of 10 milligrams per actual cubic meter (0.0044 grains per actual cubic foot) or less;	Design Parameter	Y	C	
V.H.3.g.2	Monitoring		The system must provide output of relative changes in particulate matter loadings;	Design Parameter	Y	C	
V.H.3.g.3	Monitoring		The system must be equipped with an alarm that will sound when an increase in relative particulate loadings is detected over a preset level. The alarm must be located such that it can be heard by the appropriate plant personnel;	Design Parameter	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.H.3.g.4	Monitoring		Each system that works based on the triboelectric effect must be installed, operated, and maintained in a manner consistent with the guidance document, ``Fabric Filter Bag Leak Detection Guidance" (EPA-454/R-98-015, September 1997). You may install, operate, and maintain other types of bag leak detection systems in a manner consistent with the manufacturer's written specifications and recommendations;	Engineering Judgement	Y	C	
V.H.3.g.5	Monitoring		To make the initial adjustment of the system, establish the baseline output by adjusting the sensitivity (range) and the averaging period of the device. Then, establish the alarm set points and the alarm delay time;	Engineering Judgement	Y	C	
V.H.3.g.6	Monitoring		Following the initial adjustment, do not adjust the sensitivity or range, averaging period, alarm set points, or alarm delay time, except as detailed in your operation and maintenance plan. Do not increase the sensitivity by more than 100 percent or decrease the sensitivity by more than 50 percent over a 365-day period unless a responsible official certifies, in writing, that the baghouse has been inspected and found to be in good operating condition; and	Administrative Requirement	Y	C	
V.H.3.g.7	Monitoring		Where multiple detectors are required, the system's instrumentation and alarm may be shared among detectors.	Engineering Judgement	Y	C	
V.H.3.h	Monitoring	[§2103.12.i; §2103.12.h.6; §63.7331(b)]	For each CPMS required in V.H.3.m below, you must develop and make available for inspection upon request by the permitting authority a site-specific monitoring plan that addresses the requirements in Conditions V.H.3.h.1) through V.H.3.h.6) below:	Administrative Requirement	Y	C	
V.H.3.h.1	Monitoring		Installation of the CPMS sampling probe or other interface at a measurement location relative to each affected process unit such that the measurement is representative of control of the exhaust emissions (e.g., on or downstream of the last control device);	Direct Measurement/Records Review	Y	C	
V.H.3.h.2	Monitoring		Performance and equipment specifications for the sample interface, the parametric signal analyzer, and the data collection and reduction system;	Design Parameter	Y	C	
V.H.3.h.3	Monitoring		Performance evaluation procedures and acceptance criteria (e.g., calibrations);	Engineering Judgement	Y	C	
V.H.3.h.4	Monitoring		Ongoing operation and maintenance procedures in accordance with the general requirements of §63.8(c)(1), (3), (4)(ii), (7), and (8);	Engineering Judgement	Y	C	
V.H.3.h.5	Monitoring		Ongoing data quality assurance procedures in accordance with the general requirements of §63.8(d); and	Engineering Judgement	Y	C	
V.H.3.h.6	Monitoring		Ongoing recordkeeping and reporting procedures in accordance the general requirements of §63.10(c), (e)(1), and (e)(2)(i).	Administrative Requirement	Y	C	
V.H.3.i	Monitoring	[§2103.12.i; §2103.12.h.6; §63.7331(c)]	The permittee shall conduct a performance evaluation of each CPMS in accordance with your site-specific monitoring plan.	Records Review	Y	C	
V.H.3.j	Monitoring	[§2103.12.i; §2103.12.h.6; §63.7331(d)]	The permittee shall operate and maintain each CPMS in continuous operation according to the site-specific monitoring plan.	Administrative Requirement	Y	C	

Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.H.3.k	Monitoring	[§2103.12.i; §2103.12.h.6; §63.7331(g)]	If the permittee elects the operating limit in V.H.1.d.1) above for a capture system applied to pushing emissions, you must install, operate, and maintain a device to measure the fan motor amperes.	Direct Measurement/Records Review	Y	C	
V.H.3.l	Monitoring	[§2103.12.i; §2103.12.h.6; §63.7331(h)]	If the permittee elects the operating limit in V.H.1.d.2) above for a capture system applied to pushing emissions, you must install, operate, and maintain a device to measure the total volumetric flow rate at the inlet of the control device.	Direct Measurement/Records Review	Y	C	
V.H.3.m	Monitoring	[§2103.12.i; §2103.12.h.6; §63.7330(d)]	For each capture system applied to pushing emissions, the permittee shall at all times monitor the fan motor amperes according to the requirements in Condition V.H.3.k above or the volumetric flow rate according to the requirements in Condition V.H.3.l above.	Direct Measurement/Records Review	Y	C	
V.H.3.n	Monitoring	[§2103.12.i; §2103.12.h.6; §63.7332(a)]	Except for monitor malfunctions, associated repairs, and required quality assurance or control activities (including as applicable, calibration checks and required zero and span adjustments), the permittee shall monitor continuously (or collect data at all required intervals) at all times the affected source is operating.	Direct Measurement/Records Review	Y	C	
V.H.3.o	Monitoring	[§2103.12.i; §2103.12.h.6; §63.7332(b)]	The permittee shall not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities in data averages and calculations used to report emission or operating levels, or in fulfilling a minimum data availability requirement, if applicable. The permittee shall use all the data collected during all other periods in assessing compliance. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitor to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.	Records Review	Y	C	
V.H.3.p	Monitoring	[§2103.12.i; §2103.12.h.6; §63.7333(d)]	For each capture system applied to pushing emissions and subject to the operating limit in Condition V.H.1.d above, the permittee shall demonstrate continuous compliance by meeting the requirements in Condition V.H.3.p.1) or V.H.3.p.2) below:	Administrative Requirement	Y	C	
V.H.3.p.1	Monitoring		If the permittee elects the operating limit for fan motor amperes in V.H.1.d.1) above:	Administrative Requirement	Y	C	
V.H.3.p.1.a	Monitoring		Maintaining the daily average fan motor amperes at or above the minimum level established during the initial or subsequent performance test; and	Direct Measurement/Records Review	Y	C	
V.H.3.p.1.b	Monitoring		Checking the fan motor amperes at least every 8 hours to verify the daily average is at or above the minimum level established during the initial or subsequent performance test and recording the results of each check.	Direct Measurement/Records Review	Y	C	
V.H.3.p.2	Monitoring		If the permittee elects the operating limit for volumetric flow rate in V.H.1.d.2) above:	Administrative Requirement	Y	C	
V.H.3.p.2.a	Monitoring		Maintaining the daily average volumetric flow rate at the inlet of the control device at or above the minimum level established during the initial or subsequent performance test; and	Direct Measurement/Records Review	Y	C	

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				Method	Y/ N	Type C/I	
V.H.3.p.2.b	Monitoring		Checking the volumetric flow rate at least every 8 hours to verify the daily average is at or above the minimum level established during the initial or subsequent performance test and recording the results of each check.	Direct Measurement/Records Review	Y	C	
V.H.3.q	Monitoring	[§2103.12.i; §2103.12.h.6; §63.7334(a)]	The permittee shall demonstrate continuous compliance with the work practice standards for fugitive pushing emissions according to the following requirements:	Administrative Requirement	Y	C	
V.H.3.q.1	Monitoring		Observe and record the opacity of fugitive emissions for four consecutive pushes per operating day, except you may make fewer or non-consecutive observations as permitted by Condition V.H.3.c.2) above. Maintain records of the pushing schedule for each oven and records indicating the legitimate operational reason for any change in the pushing schedule according to Condition V.H.3.c.3) above.	Physical Inspection/Records Review	Y	C	
V.H.3.q.2	Monitoring		Observe and record the opacity of fugitive emissions from each oven in a battery at least once every 90 days. If an oven cannot be observed during a 90-day period, observe and record the opacity of the first push of that oven following the close of the 90-day period that can be read in accordance with the procedures in conditions V.H.3.q.1) through V.H.3.q.8).	Physical Inspection/Records Review	Y	C	
V.H.3.q.3	Monitoring		Make all observations and calculations for opacity observations of fugitive pushing emissions in accordance with Method 9 in Appendix A to 40 CFR Part 60 using a Method 9 certified observer unless you have an approved alternative procedure under V.H.3.q.7) below.	Physical Inspection/Procedures	Y	C	
V.H.3.q.4	Monitoring		Record pushing opacity observations at 15-second intervals as required in section 2.4 of Method 9 (Appendix A to 40 CFR Part 60). The requirement in section 2.4 of Method 9 for a minimum of 24 observations does not apply, and the data reduction requirements in section 2.5 of Method 9 do not apply. The requirement in §63.6(h)(5)(ii) for obtaining at least 3 hours of observations (thirty 6-minute averages) to demonstrate initial compliance does not apply.	Physical Inspection/Procedures	Y	C	
V.H.3.q.5	Monitoring		If fewer than six but at least four 15-second observations can be made, use the average of the total number of observations to calculate average opacity for the push. Missing one or more observations during the push (e.g., as the quench car passes behind a building) does not invalidate the observations before or after the interference for that push. However, a minimum of four 15-second readings must be made for a valid observation.	Physical Inspection	Y	C	
V.H.3.q.6	Monitoring		Begin observations for a push at the first detectable movement of the coke mass. End observations of a push when the quench car enters the quench tower.	Physical Inspection	Y	C	

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				Method	Y/N	Type C/I	
V.H.3.q.6.a	Monitoring		For a battery with a cokeside shed, the observer must be in a position that provides an unobstructed view and avoids interferences from the topside of the battery. Typical interferences to avoid include emissions from open standpipes and charging. Observations must include any fugitive emissions that escape from the top of the shed, from the ends of the shed, or from the area where the shed is joined to the battery. If the observer does not have a clear view to identify when a push starts or ends, a second person can be positioned to signal the start or end of the push and notify the observer when to start or end the observations. Radio communications with other plant personnel (e.g., pushing ram operator or quench car operator) may also serve to notify the observer of the start or end of a push. Record the oven number of any push not observed because of obstructions or interferences.	Physical Inspection/Records Review	Y	C	
V.H.3.q.6.b	Monitoring		You may reposition after the push to observe emissions during travel if necessary.	Administrative Requirement	Y	C	
V.H.3.q.7	Monitoring		If it is infeasible to implement the procedures in Conditions V.H.3.q.1) through V.H.3.q.6) above for an oven due to physical obstructions, nighttime pushes, or other reasons, you may apply to the Department for permission to use an alternative procedure. The application must provide a detailed explanation of why it is infeasible to use the procedures in Conditions V.H.3.q.1) through V.H.3.q.6) above, identify the oven and battery numbers, and describe the alternative procedure. An alternative procedure must identify whether the coke in that oven is not completely coked, either before, during, or after an oven is pushed.	Administrative Requirement	Y	C	
V.H.3.q.8	Monitoring		For each oven observed that exceeds an opacity of 30 percent for any short battery or 35 percent for any tall battery, you must take corrective action and/or increase the coking time in accordance with Condition V.H.3.c above. Maintain records documenting conformance with Condition V.H.3.c above.	Process Knowledge/Records Review	Y	C	
V.H.3.r	Monitoring	[§2103.12.i; §2103.12.h.6; §63.7335(c)]	To demonstrate continuous compliance with the operation and maintenance requirements for a baghouse applied to pushing emissions from a coke oven battery in V.H.3.g above, the permittee shall inspect and maintain each baghouse according to the requirements in Conditions V.H.3.g.1) through V.H.3.g.7) above and record all information needed to document conformance with these requirements. If you increase or decrease the sensitivity of the bag leak detection system beyond the limits specified in Condition V.H.3.g.6) above, you must include a copy of the required written certification by a responsible official in the next semiannual compliance report.	Physical Inspection/Records Review	Y	C	
V.H.4.a	Record Keeping	[§2103.12.j.1]	The results of the inspections required by condition V.H.3.b above shall be recorded weekly along with the differential pressure drop across the baghouse .	Records Review	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
V.H.4.b	Record Keeping	[§2103.12.j; §2103.12.h.1.]	Episodes of non-compliance with conditions V.H.1.a through V.H.1.f and V.H.3.b above and corrective actions taken shall be recorded upon occurrence.	Records Review	Y	C	
V.H.4.c	Record Keeping	[§2103.12.j.1]	The permittee shall keep records of each baghouse maintenance inspection and repair, replacement or other corrective action.	Records Review	Y	C	
V.H.4.d	Record Keeping	[§2103.12.j; §2103.12.h.6; §63.7342(a)]	The permittee shall keep the following records:	Records Review	Y	C	
V.H.4.d.1	Record Keeping		A copy of each notification and report that was submitted to comply with this subpart, including all documentation supporting any initial notification or notification of compliance status that you submitted, according to the requirements in §63.10(b)(2)(xiv).	Records Review	Y	C	
V.H.4.d.2	Record Keeping		The records in §63.6(e)(3)(iii) through (v) related to startup, shutdown, and malfunction.	Records Review	Y	C	
V.H.4.d.3	Record Keeping		Records of performance tests, performance evaluations, and opacity observations as required in §63.10(b)(2)(viii).	Records Review	Y	C	
V.H.4.e	Record Keeping	[§2103.12.j; §2103.12.h.6; §63.7342(b)]	For each COMS or CEMS, the permittee shall keep the following records.	Administrative Requirement	Y	C	
V.H.4.e.1	Record Keeping		Records described in §63.10(b)(2)(vi) through (xi).	Records Review	Y	C	
V.H.4.e.2	Record Keeping		Monitoring data for COMS during a performance evaluation as required in §63.6(h)(7)(i) and (ii).	Records Review	Y	C	
V.H.4.e.3	Record Keeping		Previous (that is, superceded) versions of the performance evaluation plan as required in §63.8(d)(3).	Records Review	Y	C	
V.H.4.e.4	Record Keeping		Records of the date and time that each deviation started and stopped, and whether the deviation occurred during a period of startup, shutdown, or malfunction or during another period.	Records Review	Y	C	
V.H.4.f	Record Keeping	[§2103.12.j; §2103.12.h.6; §63.7342(c)]	The permittee shall keep the records in §63.6(h)(6) for visual observations.	Records Review	Y	C	
V.H.4.g	Record Keeping	[§2103.12.j; §2103.12.h.6; §63.7342(d)]	The permittee shall keep the records required in Conditions V.H.3.p through V.H.3.r above and V.H.4.k through V.H.4.m below to show continuous compliance with each emission limitation, work practice standard, and operation and maintenance requirement that applies to you.	Records Review	Y	C	
V.H.4.h	Record Keeping	[§2103.12.j; §2103.12.h.6; §63.7343(a)]	The permittee shall keep records in a form suitable and readily available for expeditious review, according to §63.10(b)(1).	Records Review	Y	C	
V.H.4.i	Record Keeping	[§2103.12.j; §2103.12.h.6; §63.7343(b); 2103.12.j.2]	As specified in §63.10(b)(1), the permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.	Records Review	Y	C	
V.H.4.j	Record Keeping	[§2103.12.j; §2103.12.h.6; §63.7343(c)]	The permittee shall keep each record on site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1). You can keep the records offsite for the remaining 3 years.	Records Review	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
V.H.4.k	Record Keeping	[§2103.12.j; §2103.12.h.6; §63.7335(b)]	For each coke oven battery with a capture system or control device applied to pushing emissions, the permittee shall demonstrate continuous compliance with the operation and maintenance requirements in Condition V.H.3.e.1) above by meeting the following requirements:	Records Review	Y	C	
V.H.4.k.1	Record Keeping		Making monthly inspections of capture systems according to Condition V.H.3.e.1) above and recording all information needed to document conformance with these requirements; Performing preventative maintenance for each control device according to Condition V.H.3.e.2) above and recording all information needed to document conformance with these requirements; and	Physical Inspection/Records Review	Y	C	
V.H.4.k.2	Record Keeping		Initiating and completing corrective action for a bag leak detection system alarm according to Condition V.H.3.e.3) and recording all information needed to document conformance with these requirements. This includes records of the times the bag leak detection system alarm sounds, and for each valid alarm, the time you initiated corrective action, the corrective action(s) taken, and the date on which corrective action is completed.	Process Knowledge/Records Review	Y	C	
V.H.4.l	Record Keeping	[§2103.12.j; 63.7335(c)]	The permittee shall inspect and maintain the pushing emission control baghouse as required in V.H.3.g.1) through V.H.3.g.7) above and record all information needed to document conformance with these requirements. If you increase or decrease the sensitivity of the bag leak detection system beyond the limits specified in V.H.3.g.6) above, you must include a copy of the required written certification by a responsible official in the next semiannual compliance report.	Physical Inspection/Records Review	Y	C	
V.H.4.m	Record Keeping	[§2103.12.j; 63.7335(d)]	The permittee shall maintain a current copy of the operation and maintenance plans required in §63.7300(b) and (c) onsite and available for inspection upon request. The plans shall be kept for the life of the affected source or until the affected source is no longer subject to the requirements of 40 CFR Part 63, Subpart CCCCC.	Records Review	Y	C	
V.H.5.a	Reporting	[(§2103.12.k.1]	The permittee shall report all instances of non-compliance with conditions V.H.1.a through V.H.1.f, V.H.3.a and V.H.3.b, and V.H.4.a through V.H.4.c above along with all corrective action taken to restore the subject equipment to compliance, to the Department every six months.	Report Submission	Y	C	
V.H.5.b	Reporting	[§2103.12.k.1; §2108.01.c.]	Reporting instances of non-compliance in accordance with condition V.H.5.a above does not relieve the permittee of the requirement to report breakdowns in accordance with Site Level Condition 5, if appropriate.	Report Submission	Y	C	
V.H.5.c	Reporting	[§2103.12.k; §2109.03 and Enforcement Order 202.E, 3/28/90]	No later than twenty (20) days after the end of each month, a written report of a summary of the following during each such month shall be submitted to the Department:	Report Submission	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
V.H.5.c.1	Reporting		For each individual coke battery or group of batteries served by the same push emission control system, and for all coke batteries combined:	Engineering Judgement	Y	C	
V.H.5.c.1.a	Reporting		The total number of pushes for the month;	Records Review	Y	C	
V.H.5.c.1.b	Reporting		The total number of controlled pushes for the month; and the monthly percentage availability (on-line time) of the pushing control system, based on the total number of pushes and total number of controlled pushes	Records Review	Y	C	
V.H.5.c.2	Reporting		For each outage of the pushing control system at each individual coke battery or group of batteries served by the same pushing emission control system:	Records Review	Y	C	
V.H.5.c.2.a	Reporting		The batteries affected;	Records Review	Y	C	
V.H.5.c.2.b	Reporting		The starting and ending dates and times;	Records Review	Y	C	
V.H.5.c.2.c	Reporting		The total time of each outage, to the nearest tenth of an hour;	Records Review	Y	C	
V.H.5.c.2.d	Reporting		The corresponding Department Breakdown Number; and the reason(s) or cause(s) for the outage.	Records Review	Y	C	
V.H.5.d	Reporting	[§2103.12.k; §2103.12.h.6; §63.7336(a)]	The permittee shall report each instance in which you did not meet each emission limitation in Conditions, V.H.1.c, V.H.1.d and V.H.1.e was not met. This includes periods of startup, shutdown, and malfunction. The permittee shall also report each instance in which the permittee did not meet each work practice standard or operation and maintenance requirement in Conditions V.H.6.a, V.H.6.b and V.H.6.c. These instances are deviations from the emission limitations (including operating limits), work practice standards, and operation and maintenance requirements of 40 CFR Part 63, Subpart CCCCC. These deviations must be reported according to the requirements in V.H.5.h through V.H.5.k below.	Report Submission	Y	C	
V.H.5.e	Reporting	[§2103.12.k; §2103.12.h.6; §63.7336(b)]	During periods of startup, shutdown, and malfunction, the permittee must operate in accordance with your startup, shutdown, and malfunction plan.	Administrative Requirement	Y	C	
V.H.5.e.1	Reporting		Consistent with §63.6(e) and 63.7(e)(1), deviations that occur during a period of startup, shutdown, or malfunction are not violations if you demonstrate to the Department's satisfaction that you were operating in accordance with the startup, shutdown, and malfunction plan.	Engineering Judgement	Y	C	
V.H.5.e.2	Reporting		The Department will determine whether deviations that occur during a period of startup, shutdown, or malfunction are violations, according to the provisions in §63.6(e).	Administrative Requirement	Y	C	
V.H.5.f	Reporting	[§2103.12.k; §2103.12.h.6; §63.7340(a)]	The permittee shall submit all of the notifications in §63.6(h)(4) and (5), 63.7(b) and (c), 63.8(e) and (f)(4), and 63.9(b) through (h) that apply to you by the specified dates.	Report Submission	Y	C	
V.H.5.g	Reporting	[§2103.12.k; §2103.12.h.6; §63.7340(d)]	If you are required to conduct a performance test, the permittee shall submit a notification of intent to conduct a performance test at least 60 calendar days before the performance test is scheduled to begin as required in §63.7(b)(1).	Report Submission	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.H.5.h	Reporting	[§2103.12.k; §2103.12.h.6; §63.7341(a)]	Unless the Department has approved a different schedule, the permittee must submit semiannual compliance reports for the PEC stacks to the Department according to the requirements in Conditions V.H.5.h.1) and V.H.5.h.2) below:	Report Submission	Y	C	
V.H.5.h.1	Reporting		Each semiannual compliance report shall cover the semiannual reporting period as specified in General Condition III.15.d above. All semiannual compliance reports must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.	Records Review	Y	C	
V.H.5.h.2	Reporting		For each affected source that is subject to permitting regulations pursuant to 40 CFR Part 70 or 40 CFR Part 71, and if the permitting authority has established dates for submitting semiannual reports pursuant to 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), you may submit the first and subsequent compliance reports according to the dates the Department has established instead of according to the dates in Conditions V.H.5.h.1) above.	Administrative Requirement	Y	C	
V.H.5.i	Reporting	[§2103.12.k; §2103.12.h.6; §63.7341(c)]	Each semiannual compliance report must provide information on compliance with the emission limitations, work practice standards, and operation and maintenance requirements for all affected sources except battery stacks. The reports must include the information in V.H.5.i.1) through V.H.5.i.3) below, and as applicable, Conditions V.H.5.i.4) through V.H.5.i.8) below.	Records Review	Y	C	
V.H.5.i.1	Reporting		Company name and address.	Records Review	Y	C	
V.H.5.i.2	Reporting		Statement by a responsible official, with the official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.	Records Review	Y	C	
V.H.5.i.3	Reporting		Date of report and beginning and ending dates of the reporting period.	Records Review	Y	C	
V.H.5.i.4	Reporting		If there was a startup, shutdown, or malfunction during the reporting period and the permittee took actions consistent with your startup, shutdown, and malfunction plan, the compliance report must include the information in §63.10(d)(5)(i).	Records Review	Y	C	
V.H.5.i.5	Reporting		If there were no deviations from the continuous compliance requirements in Conditions V.H.3.p through V.H.3.r above and V.H.4.k through V.H.4.m above, a statement that there were no deviations from the emission limitations, work practice standards, or operation and maintenance requirements during the reporting period.	Records Review	Y	C	
V.H.5.i.6	Reporting		If there were no periods during which a continuous monitoring system (including COMS, continuous emission monitoring system (CEMS), or CPMS) was out-of-control as specified in §63.8(c)(7), a statement that there were no periods during which a continuous monitoring system was out-of-control during the reporting period.	Records Review	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
V.H.5.i.7	Reporting		For each deviation from an emission limitation in 40 CFR 63, Subpart CCCCC and for each deviation from the requirements for work practice standards in 40 CFR Part 63, Subpart CCCCC that occurs at an affected source where the permittee is not using a continuous monitoring system (including a COMS, CEMS, or CPMS) to comply with the emission limitations in this subpart, the compliance report must contain the information in Conditions V.H.5.i.5)4), V.H.5.i.7)a) and V.H.5.i.7)b) below. This includes periods of startup, shutdown, and malfunction.	Records Review	Y	C	
V.H.5.i.7.a	Reporting		The total operating time of each affected source during the reporting period.	Records Review	Y	C	
V.H.5.i.7.b	Reporting		Information on the number, duration, and cause of deviations (including unknown cause, if applicable) as applicable and the corrective action taken.	Records Review	Y	C	
V.H.5.i.8	Reporting		For each deviation from an emission limitation occurring at an affected source the permittee is using a continuous monitoring system (including COMS, CEMS, or CPMS) to comply with the emission limitation 40 CFR 63, Subpart CCCCC, the permittee must include the information in Conditions V.H.5.i.5)4), V.H.5.i.8)a) through V.H.5.i.8)l) below. This includes periods of startup, shutdown, and malfunction.	Records Review	Y	C	
V.H.5.i.8.a	Reporting		The date and time that each malfunction started and stopped.	Records Review	Y	C	
V.H.5.i.8.b	Reporting		The date and time that each continuous monitoring system (including COMS, CEMS, or CPMS) was inoperative, except for zero (low-level) and high-level checks.	Records Review	Y	C	
V.H.5.i.8.c	Reporting		The date, time, and duration that each continuous monitoring system (including COMS, CEMS, or CPMS) was out-of-control, including the information in §63.8(c)(8).	Records Review	Y	C	
V.H.5.i.8.d	Reporting		The date and time that each deviation started and stopped, and whether each deviation occurred during a period of startup, shutdown, or malfunction or during another period.	Records Review	Y	C	
V.H.5.i.8.e	Reporting		A summary of the total duration of the deviation during the reporting period and the total duration as a percent of the total source operating time during that reporting period.	Records Review	Y	C	
V.H.5.i.8.f	Reporting		A breakdown of the total duration of the deviations during the reporting period into those that are due to startup, shutdown, control equipment problems, process problems, other known causes, and other unknown causes.	Records Review	Y	C	
V.H.5.i.8.g	Reporting		A summary of the total duration of continuous monitoring system downtime during the reporting period and the total duration of continuous monitoring system downtime as a percent of the total source operating time during the reporting period.	Records Review	Y	C	
V.H.5.i.8.h	Reporting		An identification of each HAP that was monitored at the affected source.	Records Review	Y	C	
V.H.5.i.8.i	Reporting		A brief description of the process units.	Records Review	Y	C	
V.H.5.i.8.j	Reporting		A brief description of the continuous monitoring system.	Records Review	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
V.H.5.i.8.k	Reporting		The date of the latest continuous monitoring system certification or audit.	Records Review	Y	C	
V.H.5.i.8.l	Reporting		A description of any changes in continuous monitoring systems, processes, or controls since the last reporting period.	Engineering Judgement	Y	C	
V.H.5.j	Reporting	[§2103.12.k; §2103.12.h.6; §63.7341(d)]	If the permittee had a startup, shutdown, or malfunction during the semiannual reporting period that was not consistent with your startup, shutdown, and malfunction plan, you must submit an immediate startup, shutdown, and malfunction report according to the requirements in §63.10(d)(5)(ii).	Report Submission	Y	C	
V.H.5.k	Reporting	[§2103.12.k; §2103.12.h.6; §63.7341(e)]	If the permittee submits a compliance report for an affected source along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A), and the compliance report includes all the required information concerning deviations from any emission limitation or work practice standard in 40 CFR Part 63, Subpart CCCCC, submission of the compliance report satisfies any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report does not otherwise affect any obligation you may have to report deviations from permit requirements to the Department.	Administrative Requirement	Y	C	
V.H.6.a	Work Practice	[§2103.12.h.6; §63.7310(c)].	The permittee shall develop and implement a written startup, shutdown, and malfunction plan according to the provisions in 40 CFR 63, Subpart A, §63.6(e)(3).	Engineering Judgement	Y	C	
V.H.6.b	Work Practice	[§2103.12.h.6; §63.7300(a)]	As required by §63.6(e)(1)(i), the permittee shall operate and maintain each coke battery including air pollution control and monitoring equipment, in a manner consistent with good air pollution control practices for minimizing emissions at least to the levels required by 40 CFR Part 63, Subpart CCCCC.	Process Knowledge	Y	C	
V.H.6.c	Work Practice	[§2103.12.h.6; §63.7310(a)]	The permittee shall be in compliance with the emission limitations, work practice standards, and operation and maintenance requirements of 40 CFR 63, Subpart CCCCC at all times, except during periods of startup, shutdown, and malfunction as defined in §63.2.	Records Review	Y	C	
V.H.7.a	Additional Requirements		The definitions in 40 CFR 63.7352 are hereby incorporated into this permit by reference.	Administrative Requirement	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/ N	Type C/I	
V.I.1.a	Restrictions	§2105.21.g	The permittee shall not quench, or allow the quenching of, coke unless the emissions from such quenching are vented through a baffled quench tower and the water used for such quenching is equivalent to, or better than, the water quality standards established for the nearest stream or river by regulations promulgated by the DEP under the Pennsylvania Clean Streams Law, Act of June 22, 1937, PL. 1987, as amended, 35 P.S. 691.1 et seq., except that water from the nearest stream or river may be used for the quenching of coke. The nearest stream or river to the USX Corporation facility in Clairton, PA, shall be the Monongahela River.	Record Review	Y	C*	The certification contained in this report is based on the understanding that make-up water used for the quenching of coke will be "equivalent to, or better than, the water quality standards established for the Monongahela River by regulation promulgated by the DEP under the Pennsylvania Clean Streams Law, - except that water from the Monongahela River may be used for" such quenching make-up.
V.I.1.b	Restrictions	§2103.12.h.6; §63.7295(a)	The permittee shall meet the following requirements for each quench tower and backup quench station:	Record Review	Y	C	
V.I.1.b.1	Restrictions	§2103.12.h.6; §63.7295(a)(1)	For the quenching of hot coke, the permittee shall meet one of the following requirements:	Record Review	Y	C	
V.I.1.b.1.a	Restrictions		The concentration of total dissolved solids (TDS) in the water used for quenching must not exceed 1,100 milligrams per liter (mg/L); or	Direct Measurement & Record Review	Y	C	
V.I.1.b.1.b	Restrictions		The sum of the concentrations of benzene, benzo (a) pyrene, and naphthalene in the water used for quenching must not exceed the applicable site-specific limit approved by the Department.	Direct Measurement & Record Review	Y	C	
V.I.1.b.2	Restrictions	§2103.12.h.6; §63.7295(a)(2)	The permittee shall use acceptable makeup water, as defined in §63.7352, for quenching	Record Review	Y	C	
V.I.1.c	Restrictions	§2103.12.h.6; §63.7326(d)	For each by-product coke oven batteries subject to the requirements for quench water in V.I.1.1) above, the permittee shall submit a notification of compliance status containing the results of the quench water performance test (TDS or constituent limit) before the close of business on the 30th calendar days following the completion of the compliance demonstration. For each particulate matter emission limitation that applies to you, the permittee shall submit a notification of compliance status containing the results of the performance test before the close of business on the 60th calendar days following completion of the performance test according to §63.10(d)(2).	Record Review	Y	C	
V.I.2.a	Testing	§2103.12.h.6; §63.7320(b) and §63.7283(a)	The permittee shall conduct performance tests to demonstrate compliance with the TDS limit or constituent limit for quench water in §63.7295(a)(1) by April 14, 2006	Record Review	Y	C	
V.I.2.b	Testing	§2103.12.h.6; §63.7325(a)	If the permittee elects the TDS limit for quench water in V.I.1.b.1)a) above, the permittee shall conduct each performance test according to the following conditions:	Record Review	Y	C	

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Title V Citation	C ory	Regulation	Requirement	Compliance			Co. nts
				Method	Y/ N	Type C/I	
V.I.2.b.1	Testing		Take the quench water sample from a location that provides a representative sample of the quench water as applied to the coke (e.g., from the header that feeds water to the quench tower reservoirs). Conduct sampling under normal and representative operating conditions.	Record Review	Y	C	
V.I.2.b.2	Testing		Determine the TDS concentration of the sample using Method 160.1 in 40 CFR Part 136.3 (see "residue—filterable"), except that you must dry the total filterable residue at 103 to 105 [deg] C (degrees Centigrade) instead of 180 [deg] C.	Record Review	Y	C	
V.I.2.c	Testing	§2103.12.h.6; §63.7325(b)	If at any time the permittee elects to meet the alternative requirements for quench water in V.I.1.b1)b) above, the permittee shall establish a site-specific constituent limit according to the procedures in Conditions V.I.2.c.1) through V.I.2.c.4) below:	Record Review	Y	C	
V.I.2.c.1	Testing		Take a minimum of nine quench water samples from a location that provides a representative sample of the quench water as applied to the coke (e.g., from the header that feeds water to the quench tower reservoirs). Conduct sampling under normal and representative operating conditions.	Record Review	Y	C	
V.I.2.c.2	Testing		For each sample, determine the TDS concentration according to the requirements in Condition V.I.2.b above, and the concentration of benzene, benzo(a)pyrene, and naphthalene using the applicable methods in 40 CFR Part 136 or an approved alternative method.	Record Review	Y	C	
V.I.2.c.3	Testing		Determine and record the highest sum of the concentrations of benzene, benzo(a)pyrene, and naphthalene in any sample that has a TDS concentration less than or equal to the TDS limit of 1,100 mg/L. This concentration is the site-specific constituent limit.	Record Review	Y	C	
V.I.2.c.4	Testing		Submit the site-specific limit, sampling results, and all supporting data and calculations to Department for review and approval.	Record Review	Y	C	
V.I.2.d	Testing	§2103.12.h.6; §63.7325(c)	If the permittee elects the constituent limit for quench water in V.I.1.b.1) above, the permittee shall conduct each performance test according to the conditions in Conditions V.I.2.d.1) and V.I.2.d.2) below:	Record Review	Y	C	
V.I.2.d.1	Testing		Take a quench water sample from a location that provides a representative sample of the quench water as applied to the coke (e.g., from the header that feeds water to the quench tower reservoirs). Conduct sampling under normal and representative operating conditions.	Record Review	Y	C	
V.I.2.d.2	Testing		Determine the sum of the concentration of benzene, benzo(a)pyrene, and naphthalene in the sample using the applicable methods in 40 CFR Part 136 or an approved alternative method.	Record Review	Y	C	
V.I.2.e	Testing	§2103.12.h.1	The Department reserves the right to require additional emissions testing sufficient to assure compliance with the terms and conditions of this permit. Such testing shall be performed in accordance with Site Level Condition IV.13 above and Article XXI §2108.02.	Record Review	Y	C	

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Title V Citation	Category	Regulation	Requirement	Compliance			Comments
				Method	Y/N	Type C/I	
V.I.3.a	Monitoring	§2103.12.i	The permittee shall inspect the quench tower monthly for damaged or missing baffles and blockage and initiate repair or replacement of damaged or missing baffles within 30 days and complete as soon as practicable.	Record Review	Y	C	
V.I.3.b	Monitoring	§2103.12.i; §2103.12.h.6; §63.7333(f)	Beginning on the first day compliance is required under §63.7283, the permittee shall demonstrate continuous compliance with the TDS limit for quenching in §63.7295(a)(1)(i) by meeting the requirements in Conditions V.I.3.b.1) and V.I.3.b.2) below:	Record Review	Y	C	
V.I.3.b.1	Monitoring		Maintaining the TDS content of the water used to quench hot coke at 1,100 mg/L or less; and	Record Review	Y	C	
V.I.3.b.2	Monitoring		Determining the TDS content of the quench water at least weekly according to the requirements in Condition V.I.2.b above and recording the sample results.	Record Review	Y	C	
V.I.3.c	Monitoring	§2103.12.i; 63.7333(g)	The permittee shall demonstrate continuous compliance with the constituent limit for quenching in Condition V.I.1.b.2) above by meeting the following requirements:	Record Review	Y	C	
V.I.3.c.1	Monitoring		Maintaining the sum of the concentrations of benzene, benzo(a)pyrene, and naphthalene in the water used to quench hot coke at levels less than or equal to the site-specific limit approved by the permitting authority; and	Record Review	Y	C	
V.I.3.c.2	Monitoring		Determining the sum of the constituent concentrations at least monthly according to the requirements in §63.7325(c) and recording the sample results.	Record Review	Y	C	
V.I.4.a	Recordkeeping	§2103.12.j)	The permittee shall maintain records of all quench tower inspections when missing or damaged baffles or blockages are discovered.	Record Review	Y	C	
V.I.4.b	Recordkeeping	(§2103.12.j)	The permittee shall maintain records of all repairs or replacement of baffles. The record keeping shall include a description of the repair or replacement, the date repairs and/or replacements were initiated and the date repairs and/or replacements were completed.	Record Review	Y	C	
V.I.4.c	Recordkeeping	§2103.12.j; §2103.12.h.6; §63.7342(d)	The permittee shall keep the records required in Conditions V.I.3.a and V.I.3.b above and V.I.4.e below to show continuous compliance with each emission limitation, work practice standard, and operation and maintenance requirement that applies to you.	Record Review	Y	C	
V.I.4.d	Recordkeeping	§2103.12.j; §2103.12.h.6; §63.7343(a)	The permittee shall keep records in a form suitable and readily available for expeditious review, according to §63.10(b)(1).	Record Review	Y	C	
V.I.4.e	Recordkeeping		For each coke oven battery subject to the work practice standard for quenching in V.I.6.a below, you must demonstrate continuous compliance according to the requirements of Conditions V.I.4.e.1) through V.I.4.e.3) below: [§2103.12.j; §2103.12.h.6; §63.7334(e)]	Record Review	Y	C	
V.I.4.e.1	Recordkeeping		Maintaining baffles in each quench tower such that no more than 5 percent of the cross-sectional area of the tower is uncovered or open to the sky as required in Condition V.I.6.a.1) below;	Record Review	Y	C	
V.I.4.e.2	Recordkeeping		Maintaining records that document conformance with the washing, inspection, and repair requirements in Condition V.I.6.a.2) below, including records of the ambient temperature on any day that the baffles were not washed; and	Record Review	Y	C	